


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU N-12-9-16				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-035521A			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	2119 FSL 1759 FWL		NESW	12	9.0 S	16.0 E	S			
Top of Uppermost Producing Zone	2562 FSL 1428 FWL		NESW	12	9.0 S	16.0 E	S			
At Total Depth	2301 FNL 1135 FWL		SWNW	12	9.0 S	16.0 E	S			
21. COUNTY DUCESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 339		23. NUMBER OF ACRES IN DRILLING UNIT 20					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 796		26. PROPOSED DEPTH MD: 6002 TVD: 5890					
27. ELEVATION - GROUND LEVEL 5456			28. BOND NUMBER WYB000493		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6002	15.5	J-55 LT&C	8.3	Premium Lite High Strength	277	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 08/28/2012			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013516710000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU N-12-9-16
AT SURFACE: NE/SW SECTION 12, T9S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1440'
Green River	1440'
Wasatch	6130'
Proposed TD	6002'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1440' – 6130'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. Casing Design: GMBU N-12-9-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,002'	15.5	J-55	LTC	4,810 2.52	4,040 2.12	217,000 2.33

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU N-12-9-16

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,002'	Prem Lite II w/ 10% gel + 3% KCl	277 901	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

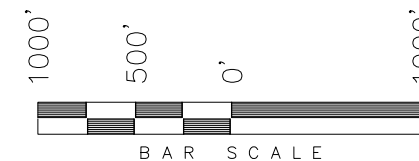
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2013, and take approximately seven (7) days from spud to rig release.

BASIS OF ELEV; Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'

WELL LOCATION, N-12-9-16, LOCATED
AS SHOWN IN THE NE 1/4 SW 1/4 OF
SECTION 12, T9S, R16E, S.L.B.&M.
DUCESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-12-9-16,
LOCATED AS SHOWN IN THE SW 1/4
NW 1/4 OF SECTION 12, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

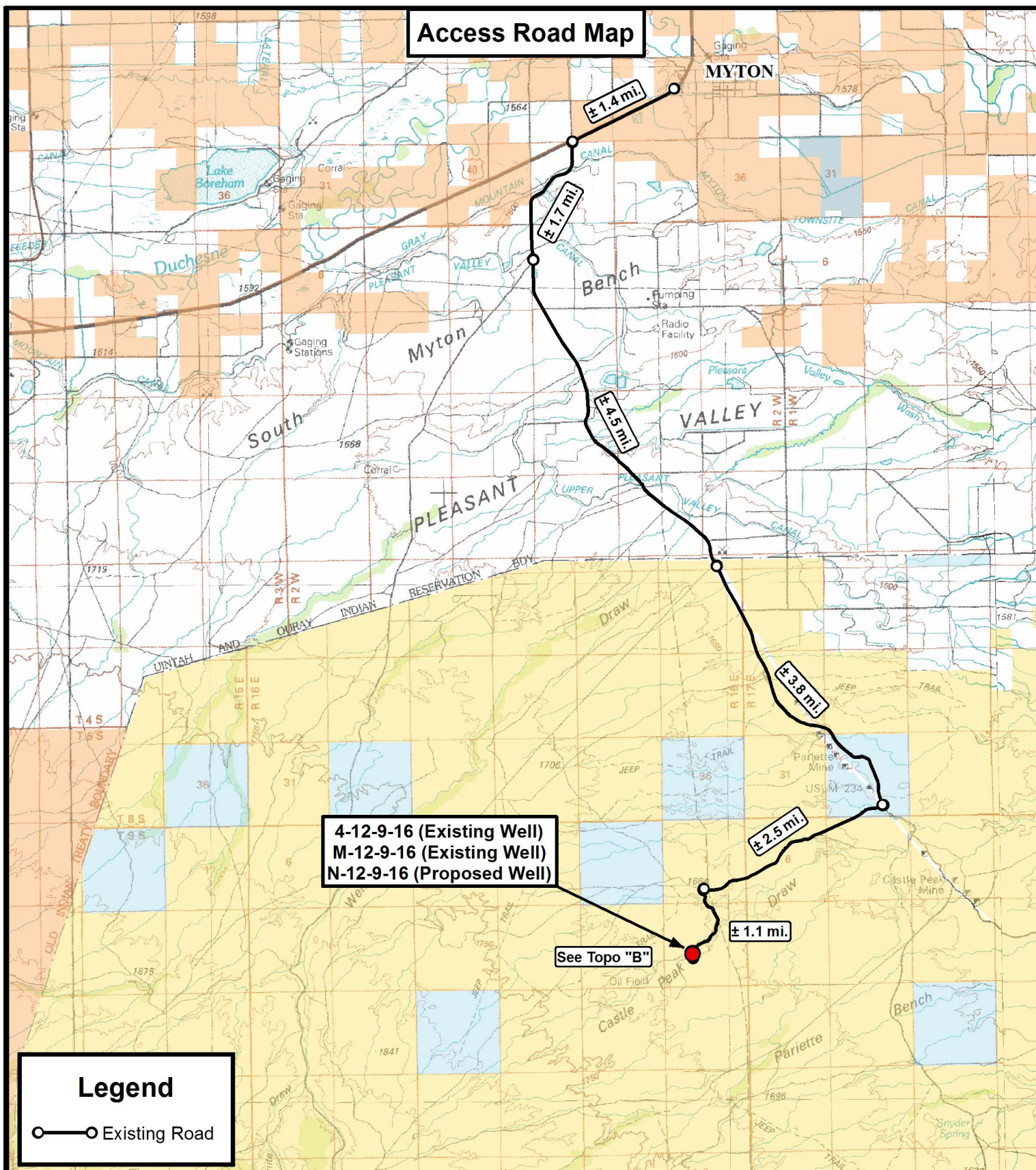
REGISTERED LAND SURVEYOR
REGISTRATION No. 128377
STATE OF UTAH

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'38.08"
LONGITUDE = 110°04'15.34"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'38.21"
LONGITUDE = 110°04'12.80"
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'46.62"
LONGITUDE = 110°04'23.35"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'46.76"
LONGITUDE = 110°04'20.81"

180 NORTH VERNAL AVE. — VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-21-11	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 06-01-12	DRAWN BY: F.T.M.	V3
REVISED:	SCALE: 1" = 1000'	

Access Road Map



180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

NEWFIELD EXPLORATION COMPANY

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

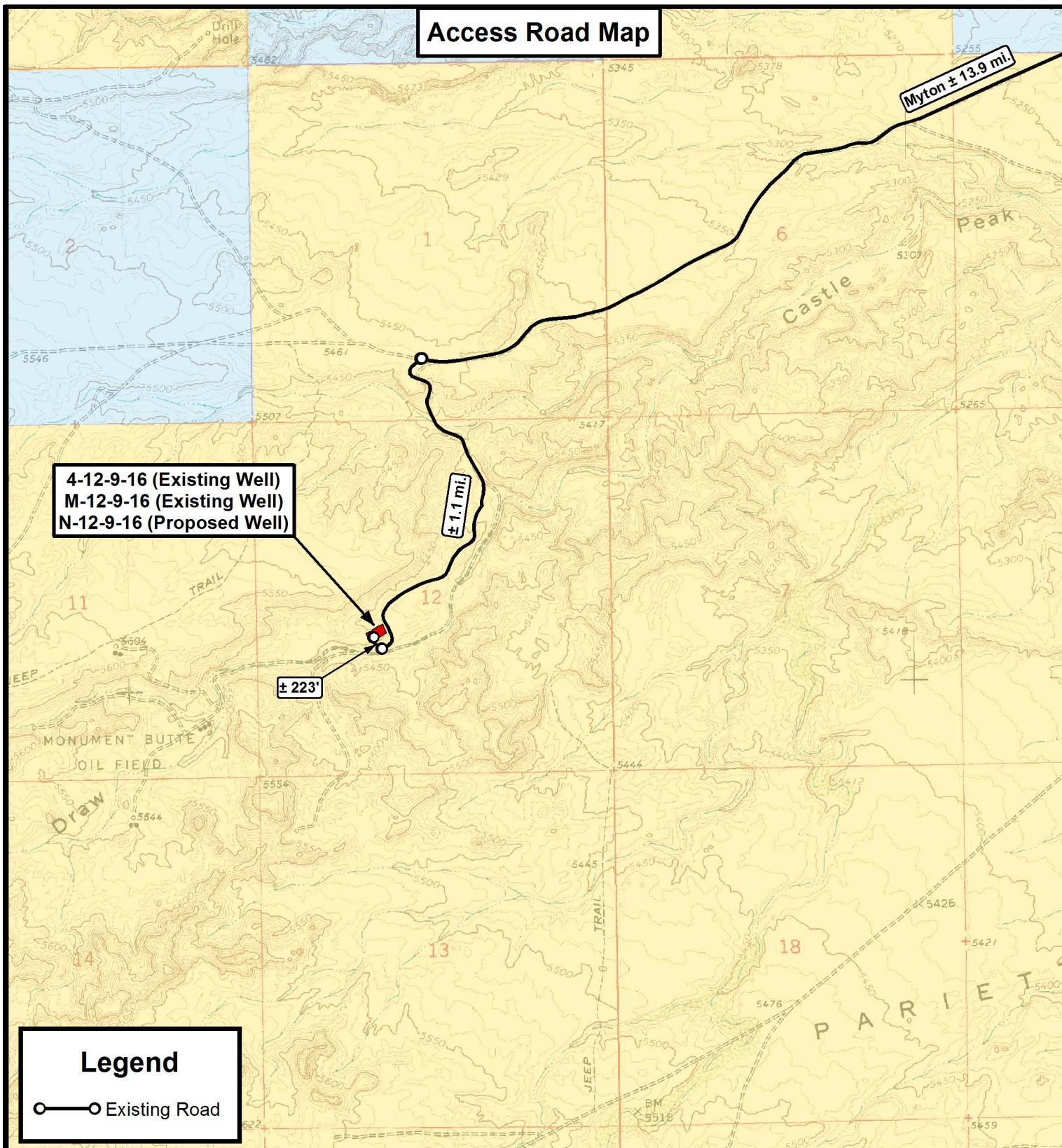
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-01-2012		V3
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C. REVISED: 06-01-12 A.P.C. VERSION:

DATE: 03-01-2012

SCALE: 1" = 2,000'

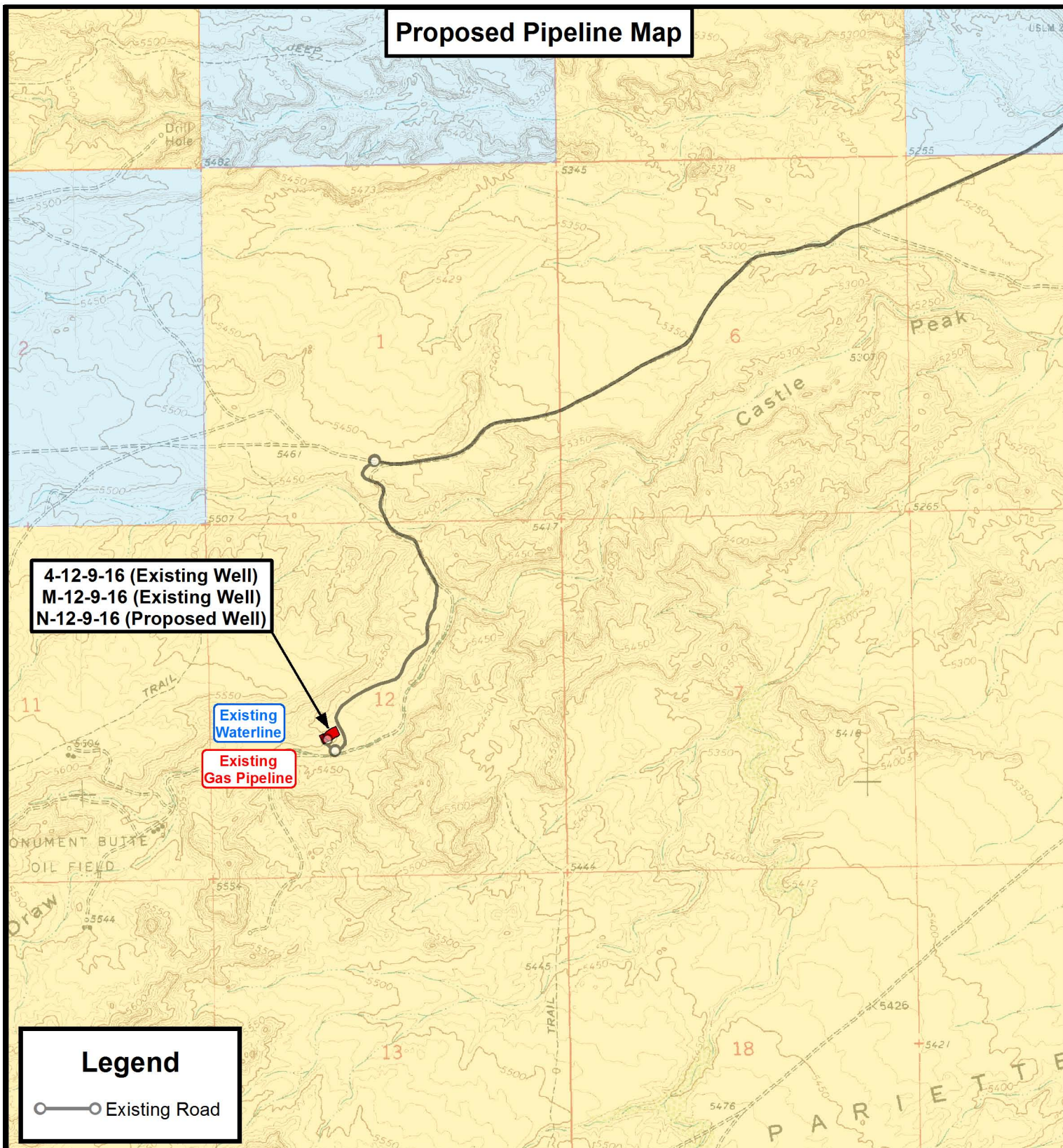
V3

TOPOGRAPHIC MAP

SHEET

B

Proposed Pipeline Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	06-01-12 A.P.C.	VERSION:
DATE:	03-01-2012			V3
SCALE:	1" = 2,000'			

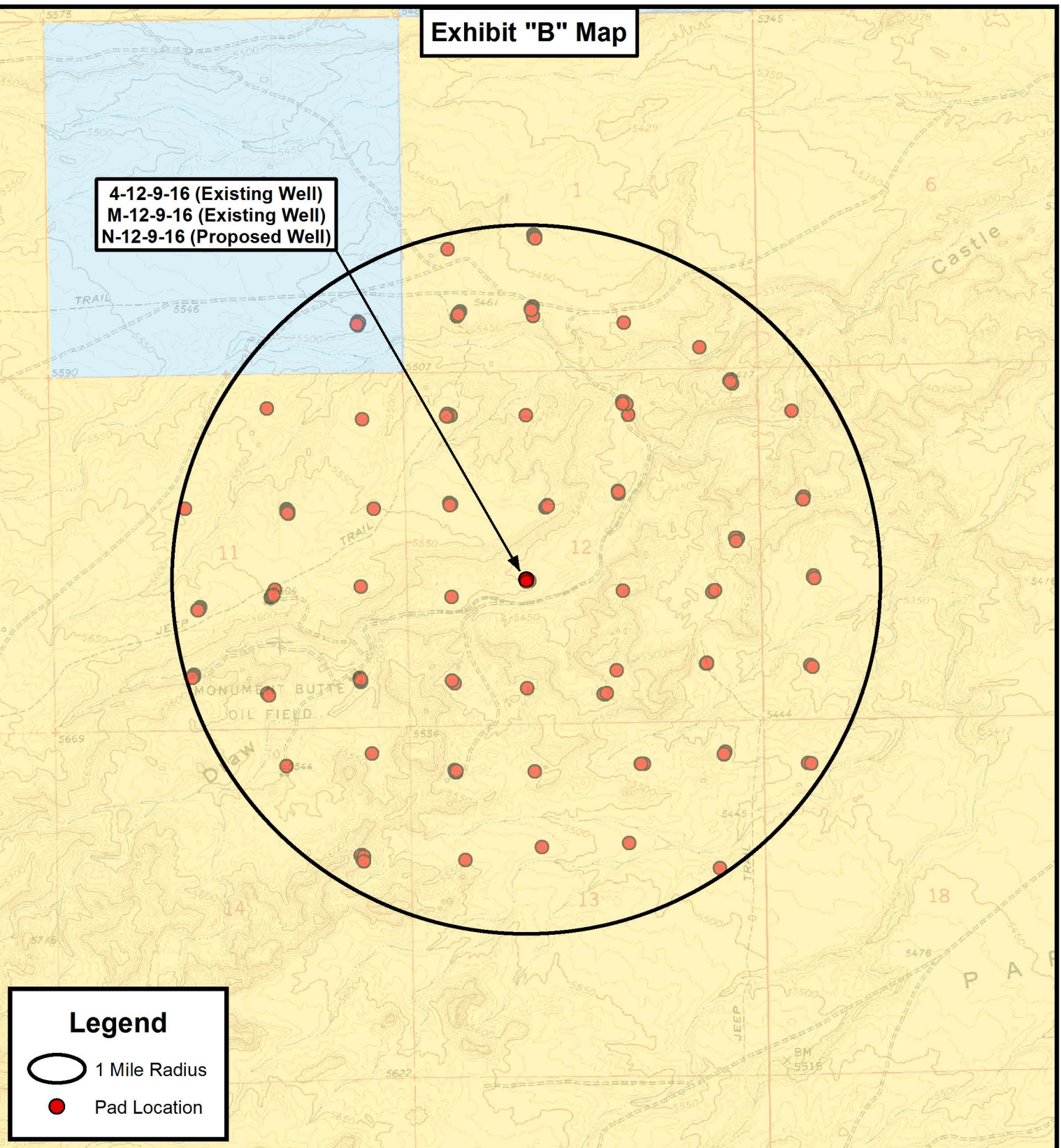
TOPOGRAPHIC MAP

SHEET

C

Exhibit "B" Map

4-12-9-16 (Existing Well)
 M-12-9-16 (Existing Well)
 N-12-9-16 (Proposed Well)

**Legend**

- 1 Mile Radius
 ● Pad Location

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**NEWFIELD EXPLORATION COMPANY**

4-12-9-16 (Existing Well)
 M-12-9-16 (Existing Well)
 N-12-9-16 (Proposed Well)
 SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-01-2012		V3
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 12 T9, R16
N-12-9-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

29 May, 2012





Payzone Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-12-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Site:	SECTION 12 T9, R16	North Reference:	True
Well:	N-12-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 12 T9, R16, SEC 12 T9S, R16E			
Site Position:		Northing:	7,187,142.02 ft	Latitude: 40° 2' 30.286 N
From:	Lat/Long	Easting:	2,041,496.20 ft	Longitude: 110° 4' 2.413 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.92 °

Well	N-12-9-16, SHL LAT: 40 02 38.08 LONG: -110 04 15.34			
Well Position	+N/-S	788.6 ft	Northing:	7,187,914.42 ft
	+E/-W	-1,005.3 ft	Easting:	2,040,478.42 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,468.0 ft
			Ground Level:	5,456.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/29/2012	11.19	65.77	52,175

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,700.0	0.0	0.0	323.30

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,421.6	12.32	323.30	1,415.3	70.6	-52.6	1.50	1.50	0.00	323.30	
4,783.8	12.32	323.30	4,700.0	646.0	-481.5	0.00	0.00	0.00	0.00	N-12-9-16 TGT
6,001.9	12.32	323.30	5,890.0	854.4	-636.9	0.00	0.00	0.00	0.00	



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-12-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Site:	SECTION 12 T9, R16	North Reference:	True
Well:	N-12-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	323.30	700.0	1.0	-0.8	1.3	1.50	1.50	0.00
800.0	3.00	323.30	799.9	4.2	-3.1	5.2	1.50	1.50	0.00
900.0	4.50	323.30	899.7	9.4	-7.0	11.8	1.50	1.50	0.00
1,000.0	6.00	323.30	999.3	16.8	-12.5	20.9	1.50	1.50	0.00
1,100.0	7.50	323.30	1,098.6	26.2	-19.5	32.7	1.50	1.50	0.00
1,200.0	9.00	323.30	1,197.5	37.7	-28.1	47.0	1.50	1.50	0.00
1,300.0	10.50	323.30	1,296.1	51.3	-38.2	64.0	1.50	1.50	0.00
1,400.0	12.00	323.30	1,394.2	66.9	-49.9	83.5	1.50	1.50	0.00
1,421.6	12.32	323.30	1,415.3	70.6	-52.6	88.0	1.50	1.50	0.00
1,500.0	12.32	323.30	1,491.9	84.0	-62.6	104.8	0.00	0.00	0.00
1,600.0	12.32	323.30	1,589.6	101.1	-75.4	126.1	0.00	0.00	0.00
1,700.0	12.32	323.30	1,687.3	118.2	-88.1	147.4	0.00	0.00	0.00
1,800.0	12.32	323.30	1,785.0	135.3	-100.9	168.8	0.00	0.00	0.00
1,900.0	12.32	323.30	1,882.7	152.4	-113.6	190.1	0.00	0.00	0.00
2,000.0	12.32	323.30	1,980.4	169.6	-126.4	211.5	0.00	0.00	0.00
2,100.0	12.32	323.30	2,078.0	186.7	-139.1	232.8	0.00	0.00	0.00
2,200.0	12.32	323.30	2,175.7	203.8	-151.9	254.2	0.00	0.00	0.00
2,300.0	12.32	323.30	2,273.4	220.9	-164.7	275.5	0.00	0.00	0.00
2,400.0	12.32	323.30	2,371.1	238.0	-177.4	296.9	0.00	0.00	0.00
2,500.0	12.32	323.30	2,468.8	255.1	-190.2	318.2	0.00	0.00	0.00
2,600.0	12.32	323.30	2,566.5	272.2	-202.9	339.5	0.00	0.00	0.00
2,700.0	12.32	323.30	2,664.2	289.4	-215.7	360.9	0.00	0.00	0.00
2,800.0	12.32	323.30	2,761.9	306.5	-228.4	382.2	0.00	0.00	0.00
2,900.0	12.32	323.30	2,859.6	323.6	-241.2	403.6	0.00	0.00	0.00
3,000.0	12.32	323.30	2,957.3	340.7	-253.9	424.9	0.00	0.00	0.00
3,100.0	12.32	323.30	3,055.0	357.8	-266.7	446.3	0.00	0.00	0.00
3,200.0	12.32	323.30	3,152.7	374.9	-279.5	467.6	0.00	0.00	0.00
3,300.0	12.32	323.30	3,250.4	392.0	-292.2	489.0	0.00	0.00	0.00
3,400.0	12.32	323.30	3,348.1	409.1	-305.0	510.3	0.00	0.00	0.00
3,500.0	12.32	323.30	3,445.8	426.3	-317.7	531.6	0.00	0.00	0.00
3,600.0	12.32	323.30	3,543.5	443.4	-330.5	553.0	0.00	0.00	0.00
3,700.0	12.32	323.30	3,641.2	460.5	-343.2	574.3	0.00	0.00	0.00
3,800.0	12.32	323.30	3,738.9	477.6	-356.0	595.7	0.00	0.00	0.00
3,900.0	12.32	323.30	3,836.6	494.7	-368.7	617.0	0.00	0.00	0.00
4,000.0	12.32	323.30	3,934.3	511.8	-381.5	638.4	0.00	0.00	0.00
4,100.0	12.32	323.30	4,032.0	528.9	-394.3	659.7	0.00	0.00	0.00
4,200.0	12.32	323.30	4,129.7	546.1	-407.0	681.1	0.00	0.00	0.00
4,300.0	12.32	323.30	4,227.3	563.2	-419.8	702.4	0.00	0.00	0.00
4,400.0	12.32	323.30	4,325.0	580.3	-432.5	723.7	0.00	0.00	0.00
4,500.0	12.32	323.30	4,422.7	597.4	-445.3	745.1	0.00	0.00	0.00
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4,700.0	12.32	323.30	4,618.1	631.6	-470.8	787.8	0.00	0.00	0.00
4,783.8	12.32	323.30	4,700.0	646.0	-481.5	805.7	0.00	0.00	0.00
4,800.0	12.32	323.30	4,715.8	648.7	-483.6	809.1	0.00	0.00	0.00
4,900.0	12.32	323.30	4,813.5	665.9	-496.3	830.5	0.00	0.00	0.00
5,000.0	12.32	323.30	4,911.2	683.0	-509.1	851.8	0.00	0.00	0.00
5,100.0	12.32	323.30	5,008.9	700.1	-521.8	873.2	0.00	0.00	0.00



Payzone Directional

Planning Report



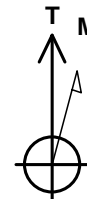
Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-12-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-12-9-16 @ 5468.0ft (Original Well Elev)
Site:	SECTION 12 T9, R16	North Reference:	True
Well:	N-12-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	12.32	323.30	5,106.6	717.2	-534.6	894.5	0.00	0.00	0.00
5,300.0	12.32	323.30	5,204.3	734.3	-547.3	915.9	0.00	0.00	0.00
5,400.0	12.32	323.30	5,302.0	751.4	-560.1	937.2	0.00	0.00	0.00
5,500.0	12.32	323.30	5,399.7	768.5	-572.8	958.5	0.00	0.00	0.00
5,600.0	12.32	323.30	5,497.4	785.6	-585.6	979.9	0.00	0.00	0.00
5,700.0	12.32	323.30	5,595.1	802.8	-598.4	1,001.2	0.00	0.00	0.00
5,800.0	12.32	323.30	5,692.8	819.9	-611.1	1,022.6	0.00	0.00	0.00
5,900.0	12.32	323.30	5,790.5	837.0	-623.9	1,043.9	0.00	0.00	0.00
6,001.9	12.32	323.30	5,890.0	854.4	-636.9	1,065.7	0.00	0.00	0.00

API Well Number: 43013516710000



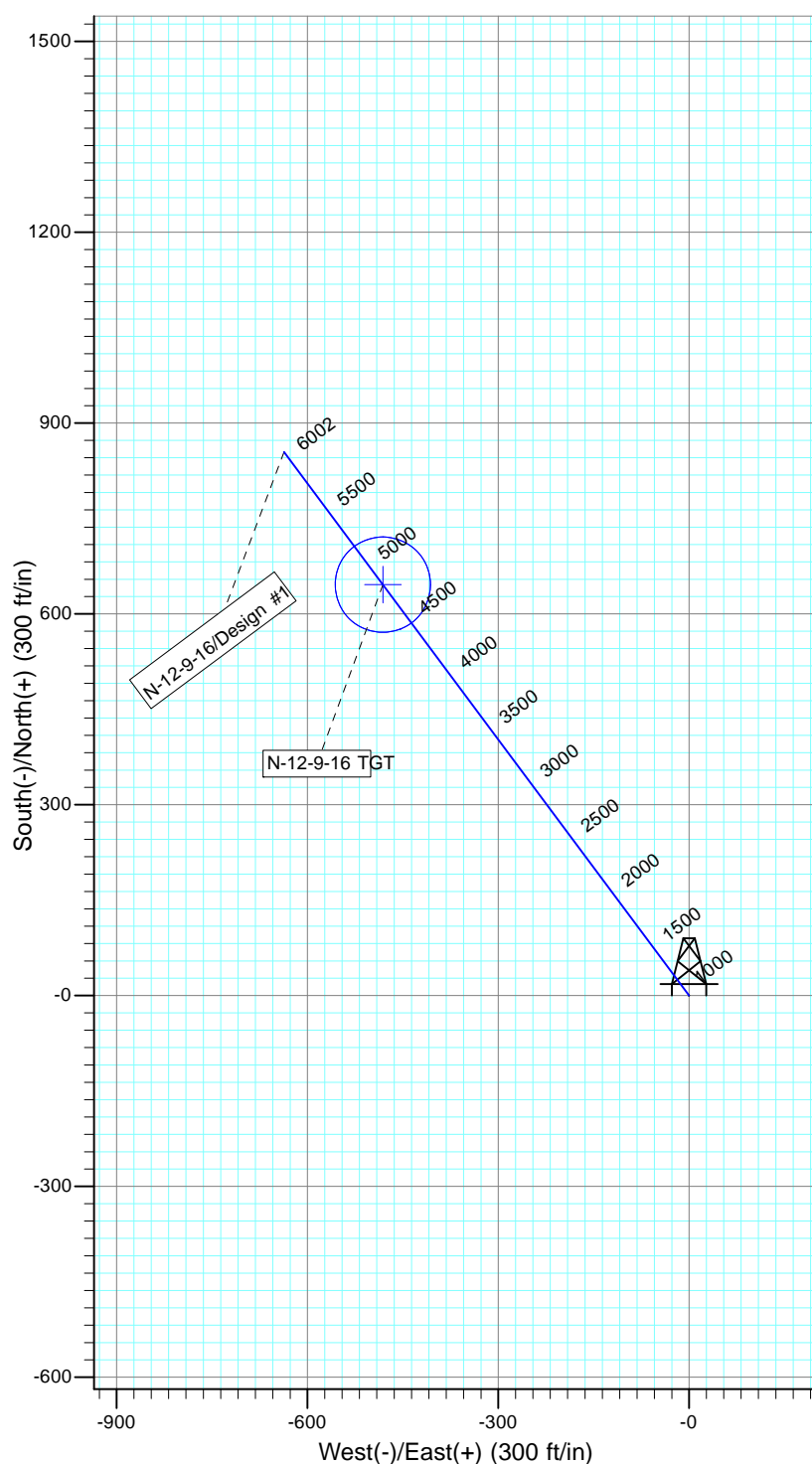
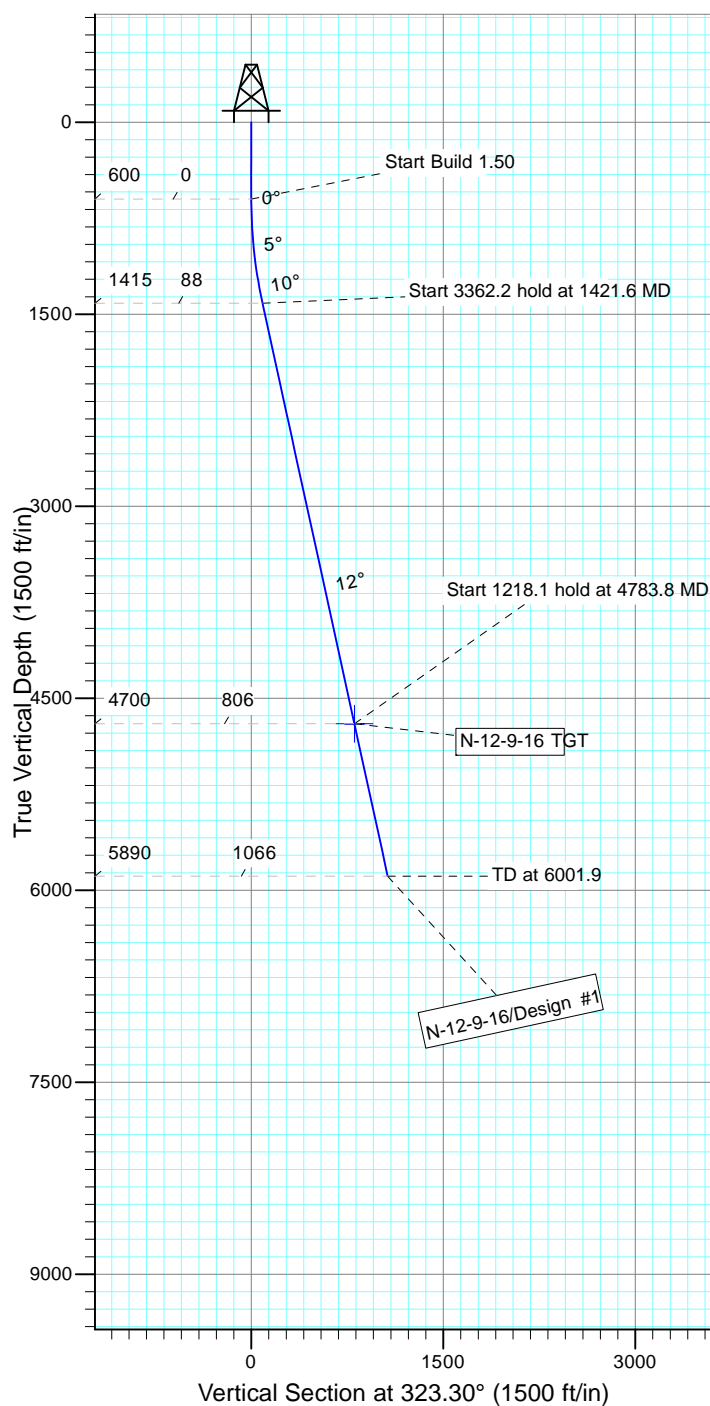
Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: N-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.19°

Magnetic Field
 Strength: 52174.7snT
 Dip Angle: 65.77°
 Date: 5/29/2012
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-12-9-16 TGT	4700.0	646.0	-481.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1421.6	12.32	323.30	1415.3	70.6	-52.6	1.50	323.30	88.0	
4	4783.8	12.32	323.30	4700.0	646.0	-481.5	0.00	0.00	805.7	N-12-9-16 TGT
5	6001.9	12.32	323.30	5890.0	854.4	-636.9	0.00	0.00	1065.7	



**NEWFIELD PRODUCTION COMPANY
GMBU N-12-9-16
AT SURFACE: NE/SW SECTION 12, T9S R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU N-12-9-16 located in the NE 1/4 SW 1/4 Section 12, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 10.0 miles \pm to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.5 miles \pm to it's junction with an existing road to the south; proceed in a southwesterly direction – 1.1 miles \pm to it's junction with the beginning of the access road to the existing 4-12-9-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 4-12-9-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. PLANS FOR RESTORATION OF SURFACE:

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP – Bureau of Land Management.

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-09-MQ-0017b 2/5/09, prepared by Montgomery Archaeological

Consultants. Paleontological Resource Survey prepared by, Wade Miller, 8/28/12. See attached report cover pages, Exhibit "D".

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection

The proposed GMBU N-12-9-16 was on-sited on 7/3/12. The following were present; Corie Miller (Newfield Production) and Janna Simonsen (Bureau of Land Management).

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU N-12-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU N-12-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION: **Representative**

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

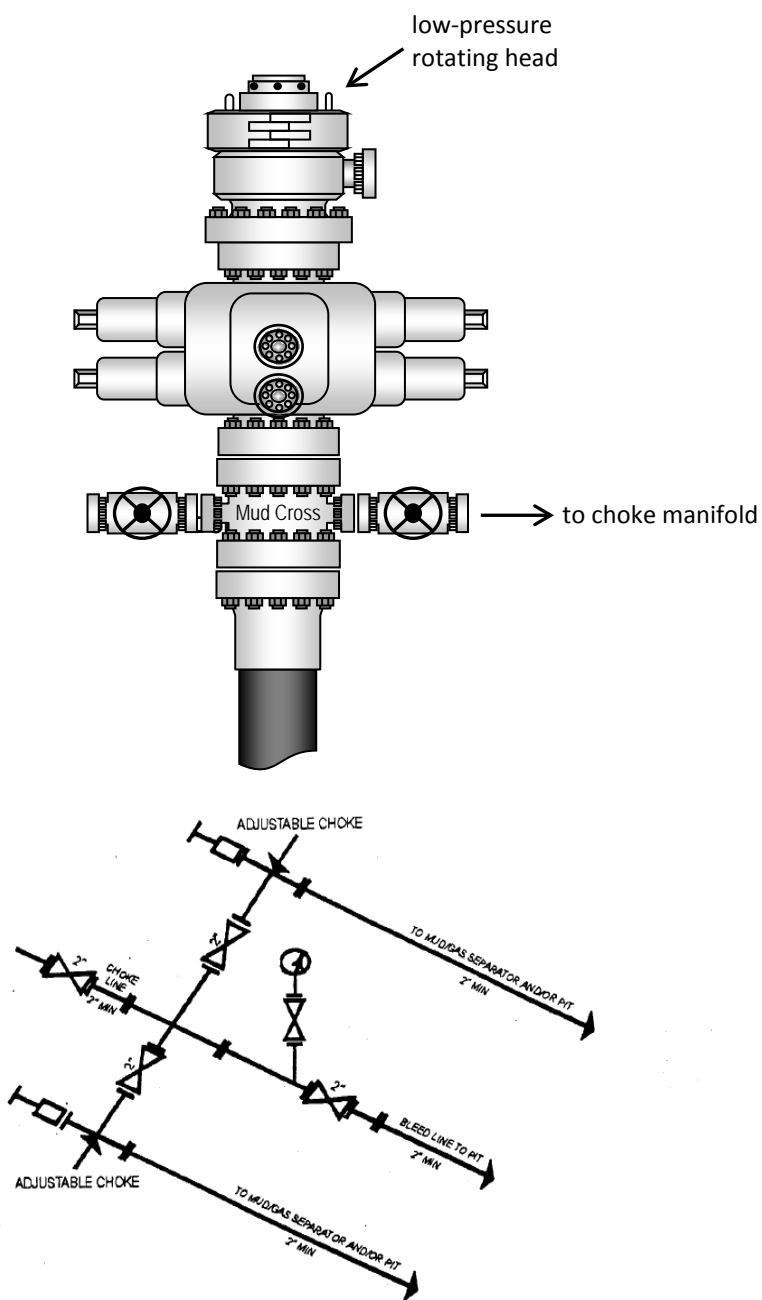
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-12-9-16, Section 12, Township 9S, Range 16E: Lease UTU-035521A Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

8/27/12
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

4-12-9-16 (Existing Well)

M-12-9-16 (Existing Well)

N-12-9-16 (Proposed Well)

Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.

TOP HOLE FOOTAGES

N-12-9-16 (PROPOSED)
2119' FSL & 1759' FWL

CENTER OF PATTERN FOOTAGES

N-12-9-16 (PROPOSED)
2512' FNL & 1287' FWL

BOTTOM HOLE FOOTAGES

N-12-9-16 (PROPOSED)
2301' FNL & 1135' FWL

RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
N-12-9-16	646'	-481'

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
N-12-9-16	854'	-637'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
4-12-9-16	40° 02' 38.48"	110° 04' 15.18"
M-12-9-16	40° 02' 38.28"	110° 04' 15.26"
N-12-9-16	40° 02' 38.08"	110° 04' 15.34"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
N-12-9-16	40° 02' 46.62"	110° 04' 23.35"

Note:
Bearings are based
on GPS Observations.

SURVEYED BY: S.H. DATE SURVEYED: 06-21-11 VERSION:
DRAWN BY: F.T.M. DATE DRAWN: 06-01-12 V3
SCALE: 1" = 60' REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 28, 2012

RECEIVED: August 28, 2012

NEWFIELD EXPLORATION COMPANY

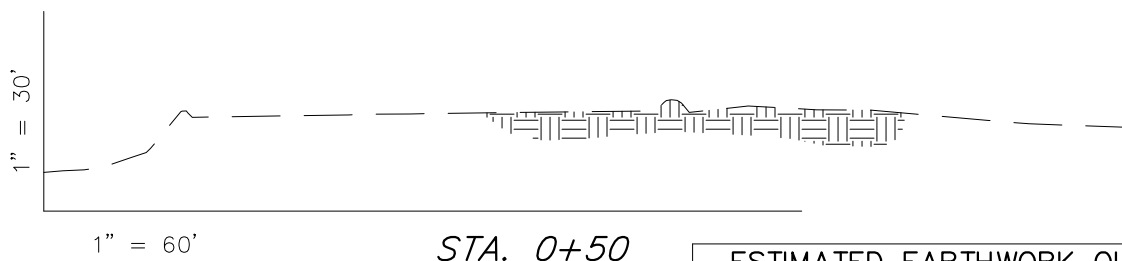
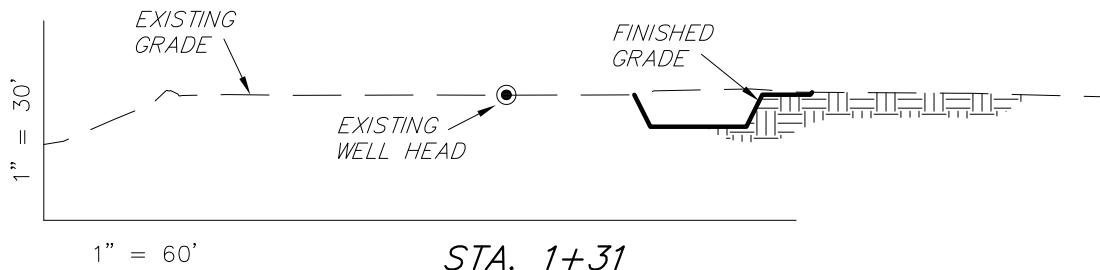
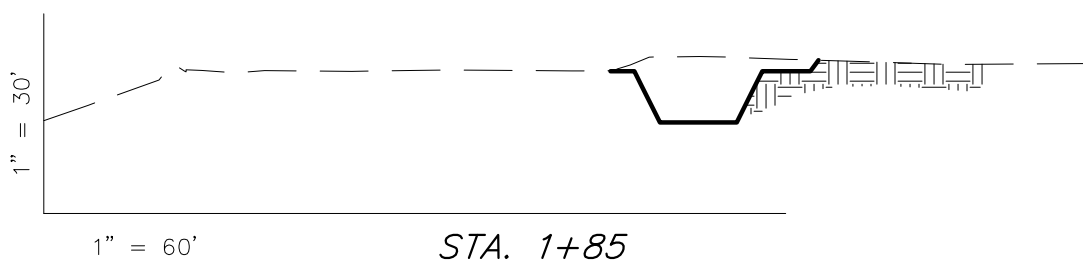
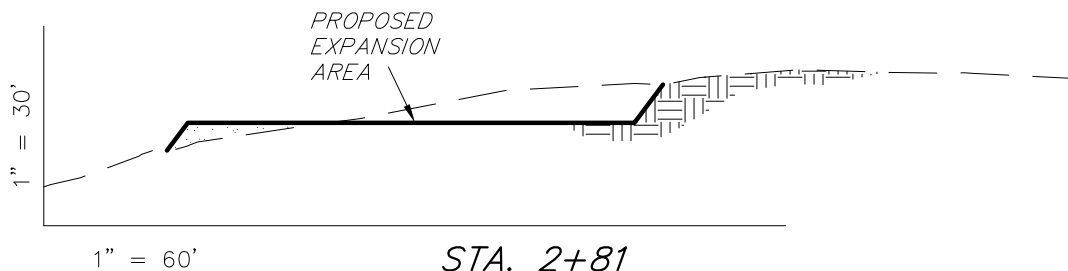
CROSS SECTIONS

4-12-9-16 (Existing Well)

M-12-9-16 (Existing Well)

N-12-9-16 (Proposed Well)

Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	690	140	Topsoil is not included in Pad Cut	550
PIT	690	0		690
TOTALS	1,380	140	460	1,240

SURVEYED BY: S.H.

DATE SURVEYED: 06-21-11

VERSION:

DRAWN BY: M.W.

DATE DRAWN: 02-28-12

V3

SCALE: 1" = 60'

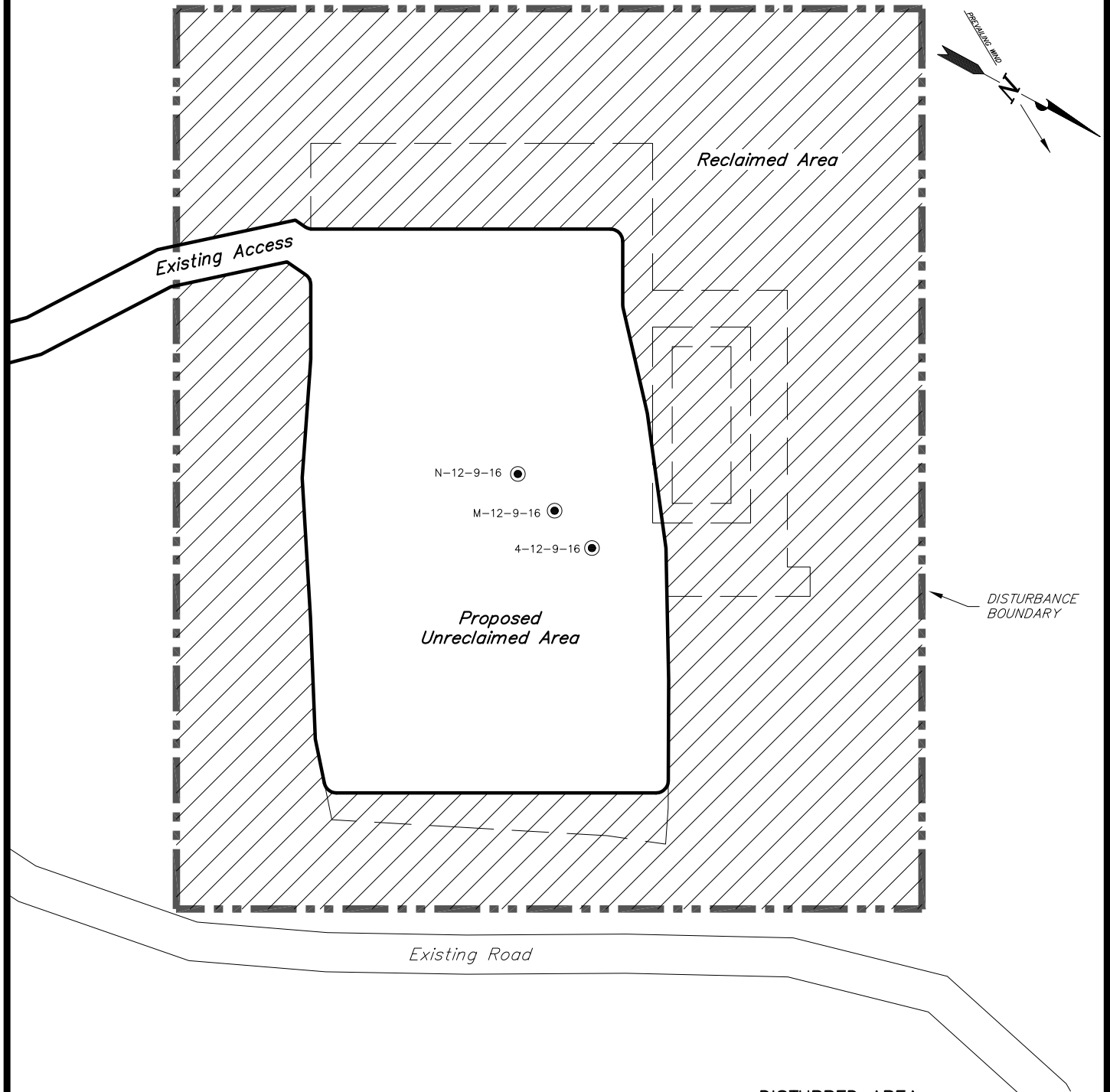
REVISED: F.T.M. 06-01-12

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 28, 2012

NEWFIELD EXPLORATION COMPANY***RECLAMATION LAYOUT******4-12-9-16 (Existing Well)******M-12-9-16 (Existing Well)******N-12-9-16 (Proposed Well)******Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.*****Notes:**

1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

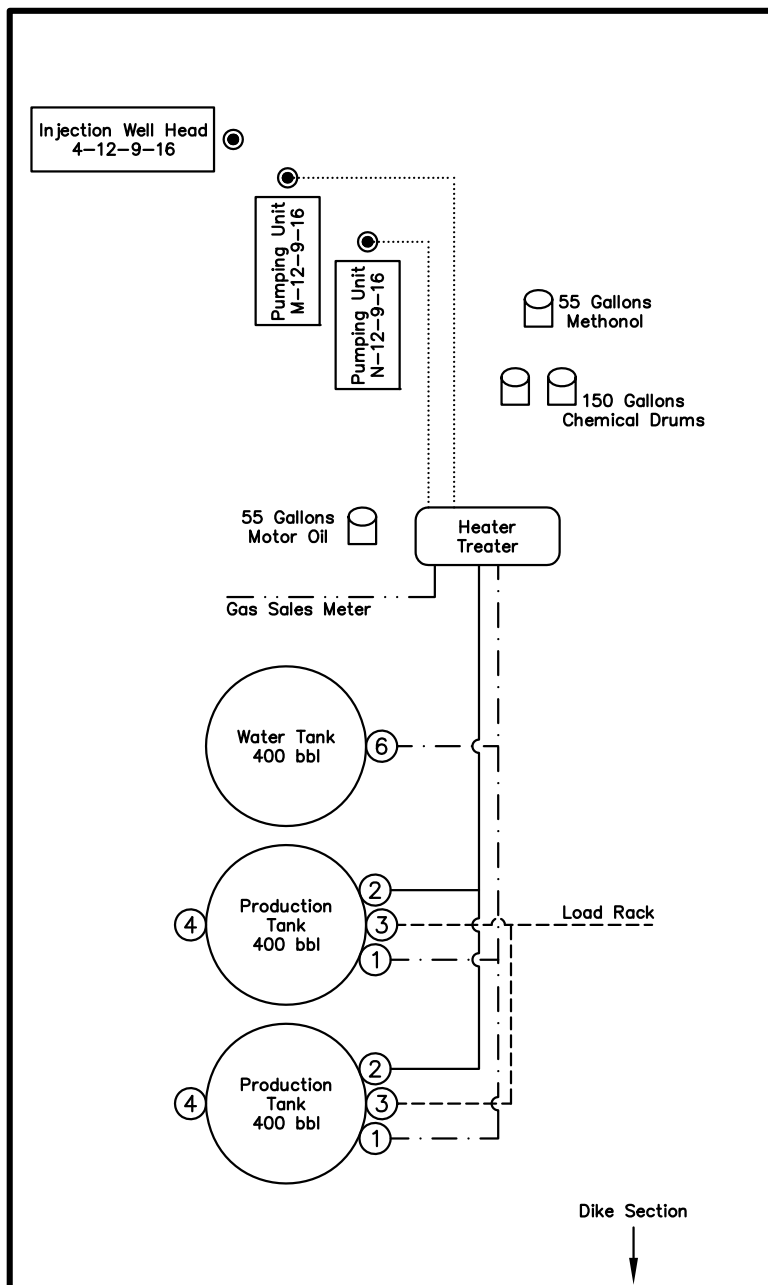
DISTURBED AREA:

TOTAL DISTURBED AREA = 2.57 ACRES
 TOTAL RECLAIMED AREA = 1.81 ACRES
 UNRECLAIMED AREA = 0.76 ACRES

SURVEYED BY: S.H.	DATE SURVEYED: 06-21-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 06-01-12	V3
SCALE: 1" = 60'	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 28, 2012

NEWFIELD EXPLORATION COMPANY**PROPOSED SITE FACILITY DIAGRAM****4-12-9-16 (Existing Well)****M-12-9-16 (Existing Well)****N-12-9-16 (Proposed Well)***Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.**Duchesne County, Utah**UTU-096550***Legend**

Emulsion Line
 Load Rack - - - - -
 Water Line - . - . -
 Gas Sales - -
 Oil Line - - - - -

NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 06-21-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 06-01-12	V3
SCALE: NONE	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 28, 2012

API Number: 4301351671

Well Name: GMBU N-12-9-16

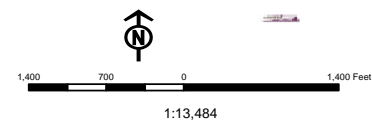
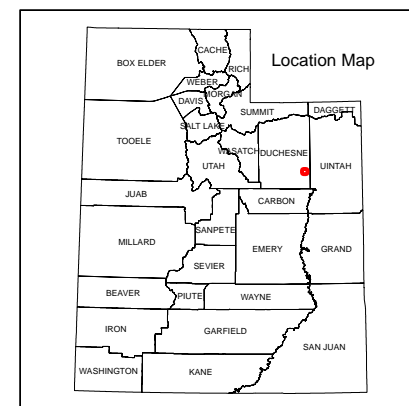
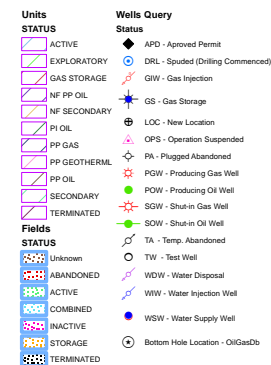
Township T09.0S Range R16.0E Section 12

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:

Map Produced by Diana Mason



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

September 4, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51670	GMBU Y-7-9-17	Sec 13 T09S R16E 0455 FNL 0587 FEL BHL Sec 07 T09S R17E 0276 FSL 0304 FWL
43-013-51671	GMBU N-12-9-16	Sec 12 T09S R16E 2119 FSL 1759 FWL BHL Sec 12 T09S R16E 2301 FNL 1135 FWL
43-013-51672	GMBU F-18-9-17	Sec 13 T09S R16E 0473 FNL 0598 FEL BHL Sec 18 T09S R17E 1576 FNL 0269 FWL
43-013-51673	GMBU Q-12-9-16	Sec 12 T09S R16E 0645 FSL 0673 FWL BHL Sec 12 T09S R16E 1550 FSL 1383 FWL
43-013-51674	GMBU V-15-9-16	Sec 22 T09S R16E 0907 FNL 0959 FEL BHL Sec 15 T09S R16E 0186 FSL 1308 FEL
43-013-51675	GMBU A-14-9-16	Sec 13 T09S R16E 0682 FNL 0673 FWL BHL Sec 14 T09S R16E 0026 FNL 0309 FEL
43-013-51676	GMBU X-14-9-16	Sec 23 T09S R16E 0518 FNL 0707 FWL BHL Sec 14 T09S R16E 0126 FSL 1403 FWL
43-013-51677	GMBU R-14-9-16	Sec 14 T09S R16E 0540 FSL 1674 FWL BHL Sec 14 T09S R16E 1435 FSL 2276 FEL

RECEIVED: September 04, 2012

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51678	GMBU Y-14-9-16	Sec 22 T09S R16E 0922 FNL 0944 FEL
	BHL	Sec 14 T09S R16E 0158 FSL 0472 FWL
43-013-51679	GMBU J-14-9-16	Sec 13 T09S R16E 0700 FNL 0683 FWL
	BHL	Sec 14 T09S R16E 1538 FNL 0175 FEL
43-013-51680	GMBU D-13-9-16	Sec 12 T09S R16E 0630 FSL 0687 FWL
	BHL	Sec 13 T09S R16E 0165 FNL 1398 FWL
43-013-51681	GMBU G-23-9-16	Sec 23 T09S R16E 0527 FNL 0726 FWL
	BHL	Sec 23 T09S R16E 1506 FNL 1459 FWL
43-013-51682	GMBU C-23-9-16	Sec 14 T09S R16E 0539 FSL 1695 FWL
	BHL	Sec 23 T09S R16E 0074 FNL 2329 FEL
43-013-51683	GMBU F-22-9-17	Sec 21 T09S R17E 2121 FNL 0803 FEL
	BHL	Sec 22 T09S R17E 1024 FNL 0349 FWL
43-013-51684	GMBU I-21-9-17	Sec 21 T09S R17E 2107 FNL 0819 FEL
	BHL	Sec 21 T09S R17E 1150 FNL 1618 FEL
43-013-51685	GMBU B-16-9-16	Sec 09 T09S R16E 0718 FSL 0752 FEL
	BHL	Sec 16 T09S R16E 0150 FNL 1539 FEL
43-013-51686	GMBU T-8-9-16	Sec 08 T09S R16E 2112 FSL 0904 FEL
	BHL	Sec 08 T09S R16E 1138 FSL 0214 FEL
43-013-51687	GMBU L-8-9-16	Sec 08 T09S R16E 1836 FSL 2042 FEL
	BHL	Sec 08 T09S R16E 2255 FNL 1307 FEL
43-013-51688	GMBU S-8-9-16	Sec 08 T09S R16E 1832 FSL 2021 FEL
	BHL	Sec 08 T09S R16E 1115 FSL 1081 FEL
43-013-51689	GMBU N-9-9-16	Sec 09 T09S R16E 2027 FSL 2003 FWL
	BHL	Sec 09 T09S R16E 2350 FNL 1018 FWL
43-013-51690	GMBU M-9-9-16	Sec 09 T09S R16E 1977 FNL 1935 FWL
	BHL	Sec 09 T09S R16E 2391 FSL 2646 FEL
43-013-51691	GMBU O-9-9-16	Sec 08 T09S R16E 2123 FSL 0922 FEL
	BHL	Sec 09 T09S R16E 2549 FNL 0350 FWL
43-013-51692	GMBU S-9-9-16	Sec 09 T09S R16E 0738 FSL 0759 FEL
	BHL	Sec 09 T09S R16E 1517 FSL 1500 FEL
43-013-51693	GMBU Q-9-9-16	Sec 09 T09S R16E 2006 FSL 1997 FWL
	BHL	Sec 09 T09S R16E 1011 FSL 1004 FWL
43-013-51694	GMBU H-9-9-16	Sec 09 T09S R16E 0466 FNL 2072 FWL
	BHL	Sec 09 T09S R16E 1553 FNL 2392 FEL
43-013-51695	GMBU G-9-9-16	Sec 09 T09S R16E 1965 FNL 1953 FWL
	BHL	Sec 09 T09S R16E 1192 FNL 1102 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land
Management, ou=Branch of Minerals,
email=Michael_Coulthard@blm.gov, c=US
Date: 2012.09.04 10:50:01 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-4-12

RECEIVED: September 04, 2012

VIA ELECTRONIC DELIVERY



September 4, 2012

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU N-12-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 12: NESW (UTU-035521A)
2119' FSL 1759' FWL

At Target: T9S-R16E Section 12: SWNW (UTU-096550)
2301' FNL 1135' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 8/29/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink that reads "Leslie Burget".

Leslie Burget
Land Associate

Form 3160-3
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU035521A
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU N-12-9-16
3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESW 2119FSL 1759FWL At proposed prod. zone SWNW 2301FNL 1135FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 15.0 MILES SOUTH OF MYTON		11. Sec., T., R., M., or Blk. and Survey or Area Sec 12 T9S R16E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 339'	16. No. of Acres in Lease 160.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 796'	17. Spacing Unit dedicated to this well 20.00	13. State UT
19. Proposed Depth 6002 MD 5890 TVD	20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5456 GL	22. Approximate date work will start 01/01/2013	23. Estimated duration 7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 08/29/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #147771 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

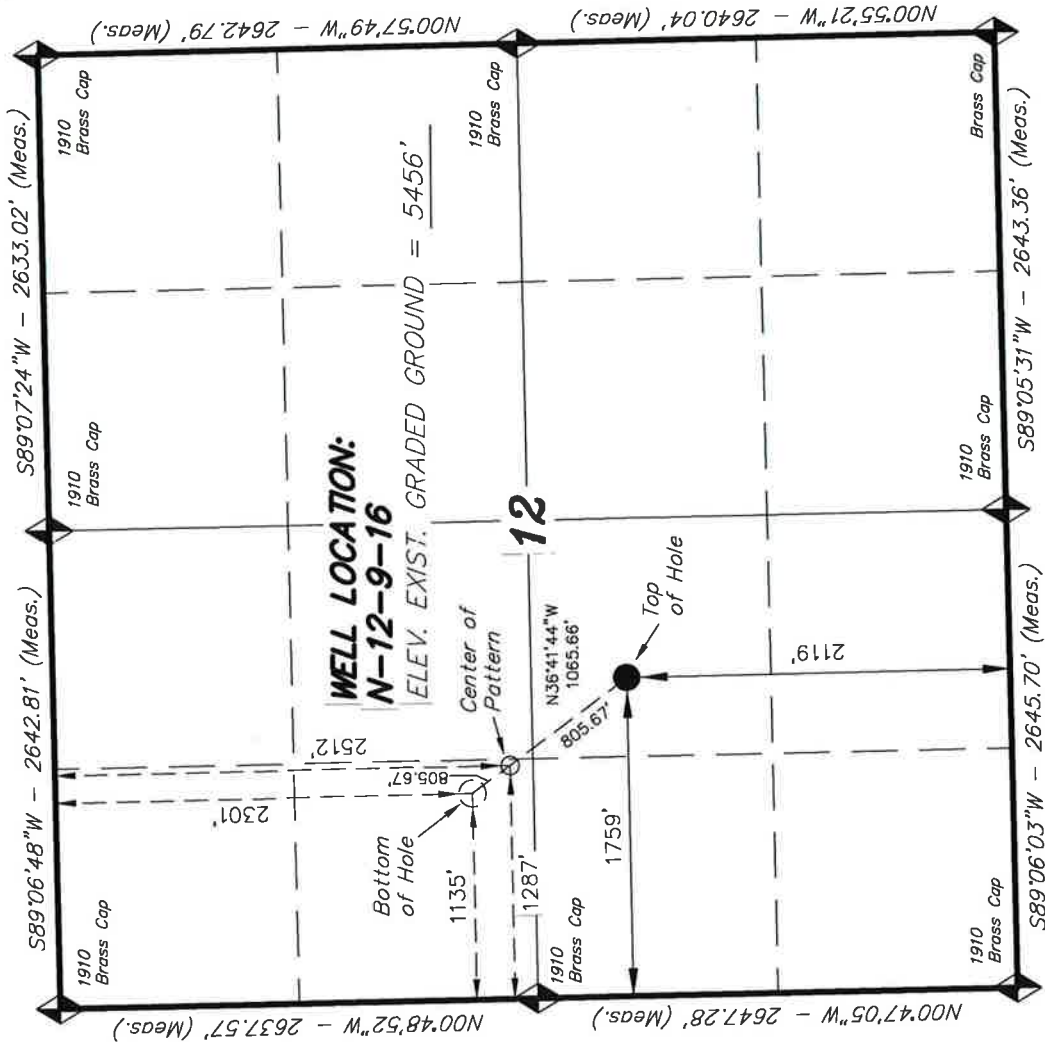
API Well Number: 43013516710000

Additional Operator Remarks:

SURFACE LEASE: UTU-035521A
BOTTOM HOLE LEASE: UTU-096550

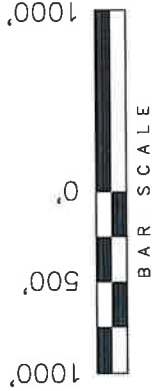
T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, N-12-9-16, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-12-9-16, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

06-01-12

STACY W.

REGISTERED LAND SURVEYOR

REGISTRATION NO. 189377

STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

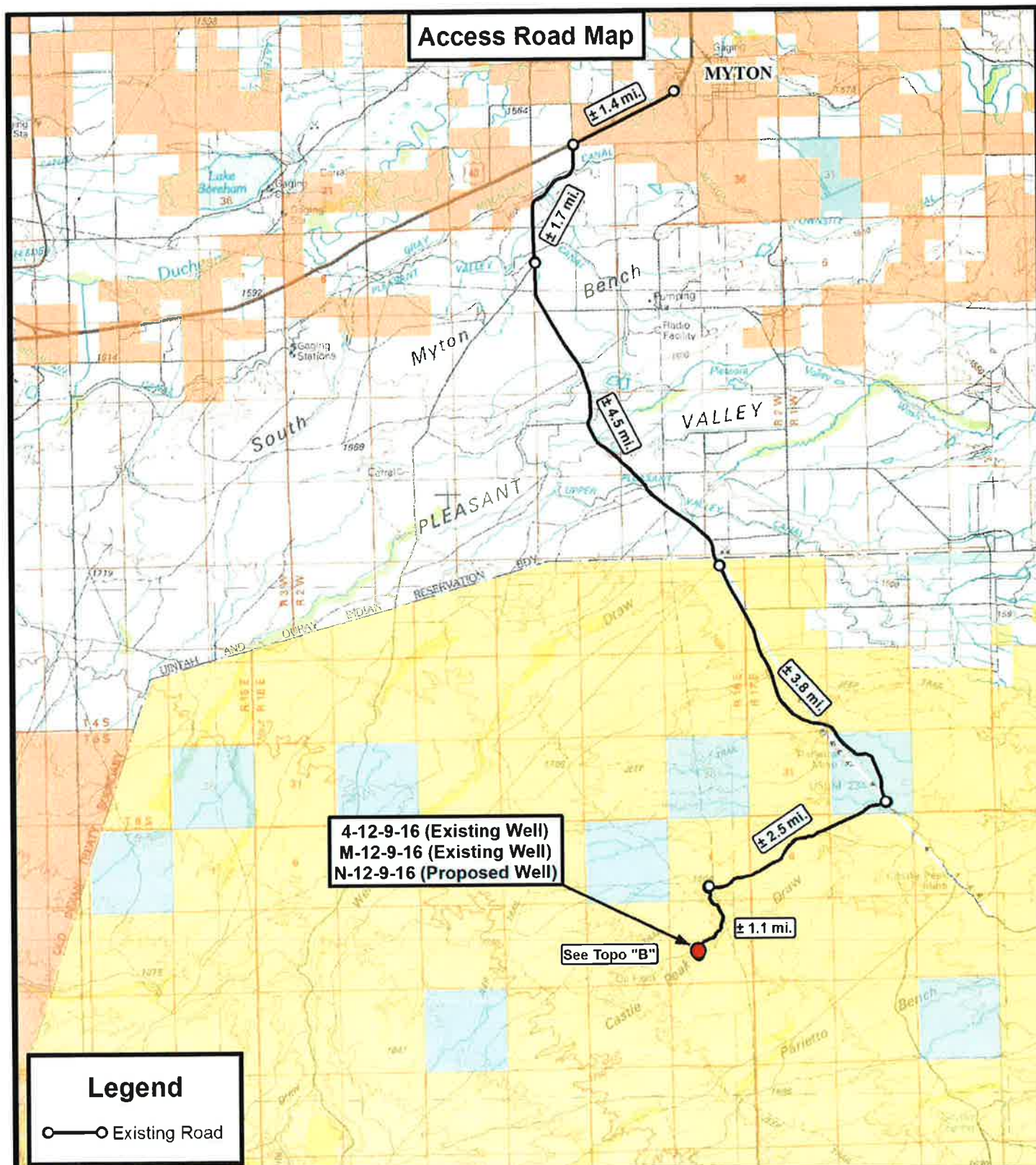
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-21-11	SURVEYED BY: S.H.	VERSION: V3
DATE DRAWN: 06-01-12	DRAWN BY: F.T.M.	
REVISED:	SCALE: 1" = 1000'	

NAD 83 (SURFACE LOCATION)	LATITUDE = 40°02'38.08"
	LONGITUDE = 110°04'15.34"
NAD 27 (SURFACE LOCATION)	LATITUDE = 40°02'38.21"
	LONGITUDE = 110°04'12.80"
NAD 83 (BOTTOM HOLE LOCATION)	LATITUDE = 40°02'46.62"
	LONGITUDE = 110°04'23.35"
NAD 27 (BOTTOM HOLE LOCATION)	LATITUDE = 40°02'46.76"
	LONGITUDE = 110°04'20.81"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'



Legend

○—○ Existing Road



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

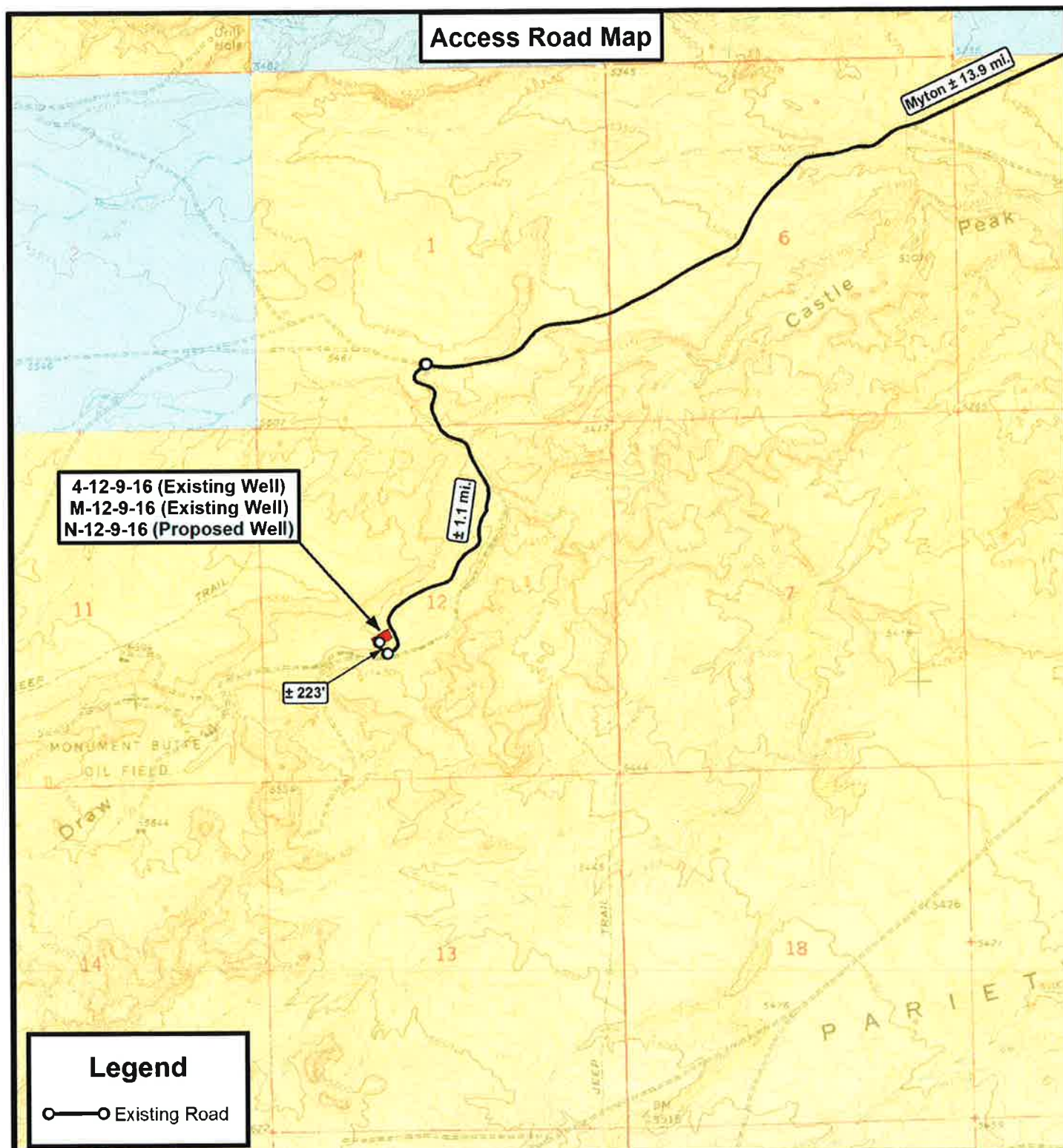
4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-01-2012		V3
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

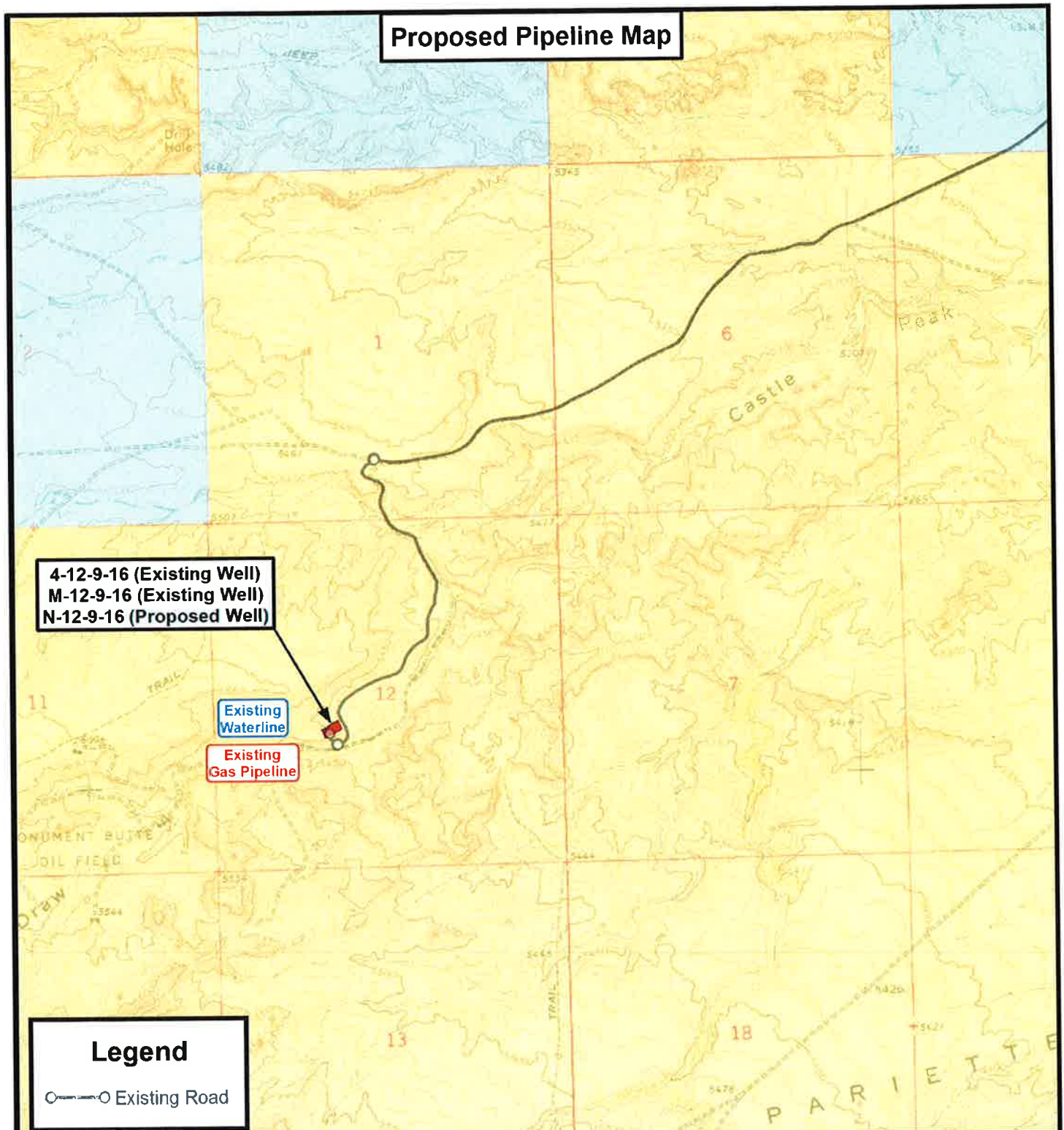
4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	06-01-12 A.P.C.	VERSION:
DATE:	03-01-2012			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET

B



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	06-01-12 A.P.C.	VERSION:
DATE:	03-01-2012			V3
SCALE:	1" = 2,000'			

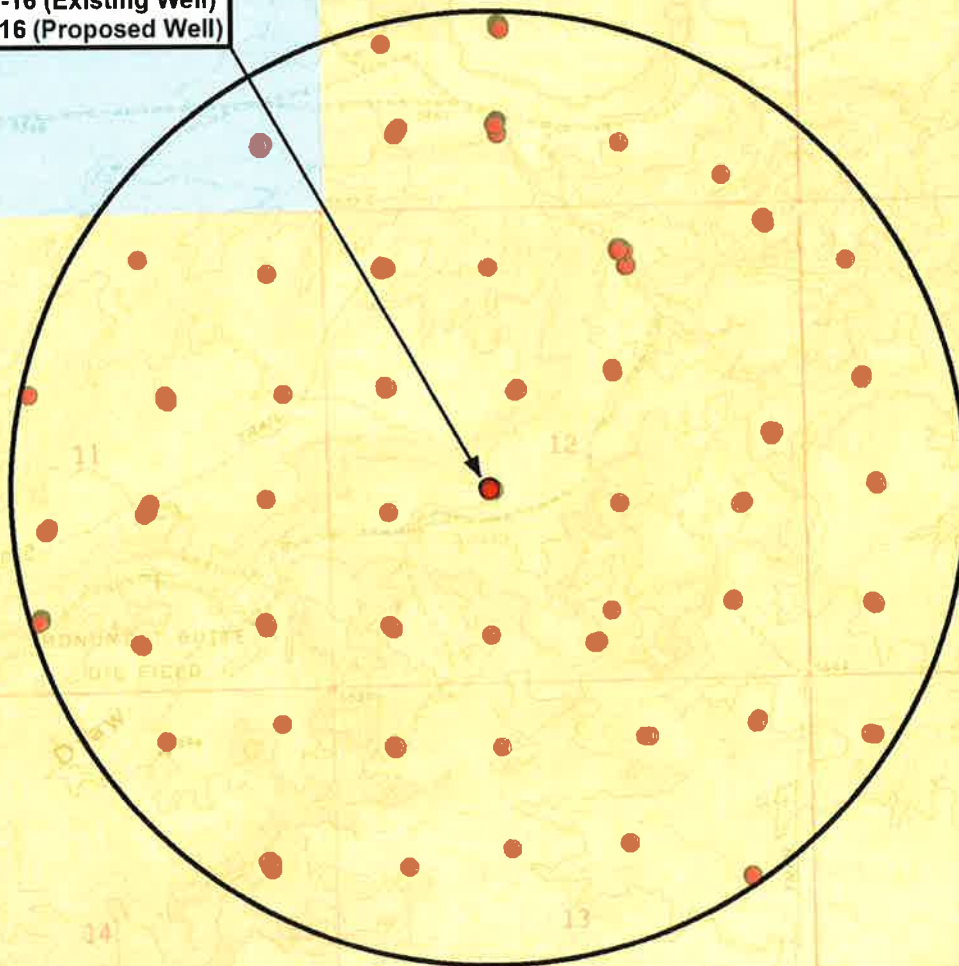
TOPOGRAPHIC MAP

SHEET

C

Exhibit "B" Map

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)



Legend

- 1 Mile Radius
● Pad Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

4-12-9-16 (Existing Well)
M-12-9-16 (Existing Well)
N-12-9-16 (Proposed Well)
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-01-2012		V3
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/28/2012

API NO. ASSIGNED: 43013516710000

WELL NAME: GMBU N-12-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NESW 12 090S 160E

Permit Tech Review: ☒

SURFACE: 2119 FSL 1759 FWL

Engineering Review: ☐

BOTTOM: 2301 FNL 1135 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.04387

LONGITUDE: -110.07089

UTM SURF EASTINGS: 579258.00

NORTHINGS: 4433040.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-035521A

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000493☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: GMBU (GRRV)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: September 18, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU N-12-9-16
API Well Number: 43013516710000
Lease Number: UTU-035521A
Surface Owner: FEDERAL
Approval Date: 9/18/2012

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro 8
Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU N-12-9-16
Qtr/Qtr NE/SW Section 13th Township 9S Range 16E
Lease Serial Number UTU-035521A
API Number 43-013-51671

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/10/13 7:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 6/10/13 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED
JUN 10 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-035521A
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU N-12-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2119 FSL 1759 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 12 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013516710000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 6/11/2013	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 6/11/13 Pro Petro # 8 spud and drilled 306' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set 302.15'KB. On 6/12/13 cement w/Pro Petro w/175 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.1 7yield. Returned 7bbls to pit, bump plug to 550psi, BLM and State were notified of spud via email.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 26, 2013		
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 6/26/2013	

Casing / Liner Detail

Well	GMBU N-12-9-16
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Conductor, 14", 36.75#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
-------	--------	-----	-------------	----	----

13.00			10' KB		
10.00	3.00		conductor	14.000	13.500
13.00			-		

Cement Detail									
Cement Company:									
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives				
Stab-In-Job?									
BHT:		0							
Initial Circulation Pressure:					Cement To Surface?				
Initial Circulation Rate:					Est. Top of Cement:				
Final Circulation Pressure:					Plugs Bumped?				
Final Circulation Rate:					Pressure Plugs Bumped:				
Displacement Fluid:					Floats Holding?				
Displacement Rate:					Casing Stuck On / Off Bottom?				
Displacement Volume:					Casing Reciprocated?				
Mud Returns:					Casing Rotated?				
Centralizer Type And Placement:					CIP:				
					Casing Wt Prior To Cement:				
					Casing Weight Set On Slips:				



Casing / Liner Detail

Well	GMBU N-12-9-16
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
302.15			10' KB		
10.00	1.42		Wellhead		
11.42	247.23	6	Surface csg	8.625	8.097
258.65	0.92		float collar	8.625	8.097
259.57	41.19	1	shoe jt	8.625	8.097
300.76	1.39		guide shoe	8.625	8.625
302.15			-		

Cement Detail						
Cement Company:		Other				
Slurry Slurry 1	# of Sacks 175	Weight (ppg) 15.8	Yield 1.17	Volume (ft³) 204.75	Description - Slurry Class and Additives class G+2%kcl+.25#CF	
Stab-In-Job?		No			Cement To Surface?	Yes
BHT:		0			Est. Top of Cement:	0
Initial Circulation Pressure:					Plugs Bumped?	Yes
Initial Circulation Rate:					Pressure Plugs Bumped:	550
Final Circulation Pressure:					Floats Holding?	Yes
Final Circulation Rate:					Casing Stuck On / Off Bottom?	No
Displacement Fluid:		Water			Casing Reciprocated?	No
Displacement Rate:					Casing Rotated?	No
Displacement Volume:		15			CIP:	10:45
Mud Returns:					Casing Wt Prior To Cement:	
Centralizer Type And Placement:				Casing Weight Set On Slips:		
Middle of first, top of second and third for a total of three.						





BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Xabier Lasa Phone Number 435-823-6014
Well Name/Number GMBU N-12-9-16
Qtr/Qtr SW/NW Section 12 Township 9S Range 16E
Lease Serial Number UTU-035521A
API Number 43-013-51671

Rig Move Notice – Move drilling rig to new location.

Date/Time 7-5-13 6:00 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 7-5-13 11:00 AM ☐ PM ☐

Remarks _____

RECEIVED

JUL 04 2013

DIV. OF OIL, GAS & MINING

RECEIVED: Aug. 30, 2013

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)**30. Summary of Porous Zones (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**31. Formation (Log) Markers
GEOLOGICAL MARKERS**

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	3657' 3870'
				GARDEN GULCH 2 POINT 3	3991' 4241'
				X MRKR Y MRKR	4513' 4548'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4678' 4924'
				B LIMESTONE MRK CASTLE PEAK	5054' 5546'
				BASAL CARBONATE WASATCH	5999' 6125'

32. Additional remarks (include plugging procedure):**33. Indicate which items have been attached by placing a check in the appropriate boxes:**

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*Name (please print) Heather CalderTitle Regulatory TechnicianSignature Heather CalderDate 08/29/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 12 T9, R16
N-12-9-16
Wellbore #1**

Design: Actual

End of Well Report

10 July, 2013





Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION Project: USGS Myton SW (UT) Site: SECTION 12 T9, R16 Well: N-12-9-16 Wellbore: Wellbore #1 Design: Actual		Local Co-ordinate Reference: Well N-12-9-16 N-12-9-16 @ 5466.0ft (NDSI SS #1) N-12-9-16 @ 5466.0ft (NDSI SS #1) True Minimum Curvature EDM 2003.21 Single User Db	
Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		System Datum: Mean Sea Level	
Map System: US State Plane 1983 Geo Datum: North American Datum 1983 Map Zone: Utah Central Zone			
Site SECTION 12 T9, R16, SEC 12 T9S, R16E			
Site Position: From: Lat/Long Position Uncertainty: 0.0 ft		Northing: 7,187,142.02 ft Easting: 2,041,496.20 ft Slot Radius: Latitude: 40° 2' 30.286 N Longitude: 110° 4' 2.413 W Grid Convergence: 0.92°	
Well N-12-9-16, SHL LAT: 40 02 38.08 LONG: -110 04 15.34			
Well Position +N/-S 0.0 ft +E/-W 0.0 ft Wellhead Elevation: 0.0 ft		Northing: 7,187,914.41 ft Easting: 2,040,478.42 ft Latitude: 40° 2' 38.080 N Longitude: 110° 4' 15.340 W Ground Level: 5,456.0 ft	
Wellbore Wellbore #1			
Magnetics		Field Strength (nT)	
Model Name Sample Date Declination (°) Dip Angle (°) Tie On Depth:		5/29/2012 11.19 65.77 52,175	
Design Actual			
Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0		Depth From (TVD) (ft) +N/-S (ft) +E/-W (ft) Direction (°)	
0.0 0.0 0.0		0.0 0.0 323.30	
Survey Program Date 7/10/2013			
From (ft) To (ft) Survey (Wellbore)		Tool Name Description	
343.0 6,144.0 Survey #1 (Wellbore #1)		MWD MWD - Standard	



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12 T9, R16
Well: N-12-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well N-12-9-16
MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	343.0	0.90	262.90	343.0	1.3	-0.3	-2.7	0.26	0.26	0.00
	374.0	0.80	262.70	374.0	1.6	-0.4	-3.1	0.32	-0.32	-0.65
	404.0	0.80	274.60	404.0	1.8	-0.4	-3.5	0.55	0.00	39.67
	435.0	0.80	288.00	435.0	2.1	-0.3	-4.0	0.60	0.00	43.23
	466.0	0.80	302.40	466.0	2.5	-0.1	-4.4	0.65	0.00	46.45
	496.0	0.90	321.60	496.0	2.9	0.2	-4.7	1.00	0.33	64.00
	526.0	1.20	332.30	526.0	3.5	0.6	-5.0	1.19	1.00	35.67
	557.0	1.50	332.10	557.0	4.2	1.3	-5.3	0.97	0.97	-0.65
	587.0	1.70	332.60	586.9	5.0	2.0	-5.7	0.67	0.67	1.67
	618.0	2.20	332.30	617.9	6.1	2.9	-6.2	1.61	1.61	-0.97
	648.0	2.60	328.70	647.9	7.3	4.0	-6.8	1.42	1.33	-12.00
	679.0	2.90	327.90	678.9	8.8	5.3	-7.6	0.98	0.97	-2.58
	709.0	3.20	325.30	708.8	10.4	6.6	-8.5	1.10	1.00	-8.67
	740.0	3.60	324.30	739.8	12.2	8.1	-9.5	1.30	1.29	-3.23
	770.0	3.90	322.10	769.7	14.2	9.7	-10.7	1.11	1.00	-7.33
	801.0	4.20	324.20	800.6	16.4	11.5	-12.0	1.08	0.97	6.77
	831.0	4.40	327.20	830.5	18.6	13.3	-13.3	1.00	0.67	10.00
	862.0	4.90	331.90	861.4	21.1	15.5	-14.6	2.03	1.61	15.16
	892.0	5.50	333.00	891.3	23.8	17.9	-15.8	2.03	2.00	3.67
	922.0	5.90	333.00	921.2	26.7	20.6	-17.2	1.33	1.33	0.00
	953.0	6.10	332.30	952.0	29.9	23.4	-18.7	0.69	0.65	-2.26
	983.0	6.30	331.00	981.8	33.1	26.3	-20.2	0.81	0.67	-4.33
	1,014.0	6.60	329.80	1,012.6	36.6	29.3	-21.9	1.06	0.97	-3.87
	1,044.0	6.90	328.70	1,042.4	40.1	32.3	-23.7	1.09	1.00	-3.67
	1,088.0	7.10	326.30	1,086.1	45.4	36.9	-26.6	0.81	0.45	-5.45
	1,134.0	7.90	323.50	1,131.7	51.4	41.8	-30.1	1.91	1.74	-6.09



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 12 T9, R16
Well: N-12-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well N-12-9-16
MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
North Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	1,179.0	8.50	324.40	1,176.2	57.9	47.0	-33.8	1.36	1.33	2.00
	1,223.0	9.10	326.30	1,219.7	64.6	52.5	-37.7	1.52	1.36	4.32
	1,269.0	9.90	328.30	1,265.1	72.2	58.9	-41.8	1.88	1.74	4.35
	1,315.0	10.40	329.00	1,310.4	80.2	65.8	-46.0	1.12	1.09	1.52
	1,359.0	11.10	328.00	1,353.6	88.4	72.8	-50.3	1.65	1.59	-2.27
	1,403.0	11.40	326.00	1,396.7	97.0	80.0	-54.9	1.12	0.68	-4.55
	1,446.0	11.70	323.90	1,438.9	105.6	87.0	-59.9	1.20	0.70	-4.88
	1,490.0	12.20	321.90	1,481.9	114.7	94.3	-65.4	1.48	1.14	-4.55
	1,534.0	12.30	321.00	1,524.9	124.0	101.6	-71.2	0.49	0.23	-2.05
	1,580.0	12.00	320.80	1,569.9	133.7	109.1	-77.3	0.66	-0.65	-0.43
	1,623.0	12.00	321.60	1,612.0	142.6	116.1	-82.9	0.39	0.00	1.86
	1,667.0	12.30	323.20	1,655.0	151.9	123.4	-88.5	1.02	0.68	3.64
	1,711.0	12.00	323.70	1,698.0	161.1	130.9	-94.1	0.72	-0.68	1.14
	1,755.0	12.10	323.20	1,741.0	170.3	138.2	-99.5	0.33	0.23	-1.14
	1,799.0	12.00	322.20	1,784.0	179.5	145.6	-105.1	0.53	-0.23	-2.27
	1,845.0	12.20	320.80	1,829.0	189.2	153.1	-111.1	0.77	0.43	-3.04
	1,890.0	12.60	321.50	1,873.0	198.8	160.6	-117.2	0.95	0.89	1.56
	1,936.0	12.70	321.00	1,917.9	208.9	168.5	-123.5	0.32	0.22	-1.09
	1,982.0	12.80	321.10	1,962.7	219.0	176.4	-129.9	0.22	0.22	0.22
	2,026.0	12.80	321.50	2,005.6	228.8	184.0	-135.9	0.20	0.00	0.91
	2,070.0	12.80	323.70	2,048.5	238.5	191.7	-141.9	1.11	0.00	5.00
	2,115.0	12.10	326.70	2,092.5	248.2	199.7	-147.4	2.12	-1.56	6.67
	2,159.0	11.90	327.90	2,135.5	257.3	207.4	-152.4	0.73	-0.45	2.73
	2,205.0	12.60	326.30	2,180.5	267.1	215.6	-157.7	1.69	1.52	-3.48
	2,251.0	12.80	324.80	2,225.3	277.2	223.9	-163.4	0.84	0.43	-3.26
	2,295.0	13.10	322.70	2,268.2	287.0	231.9	-169.2	1.27	0.68	-4.77
	2,340.0	13.10	320.90	2,312.1	297.2	239.9	-175.5	0.91	0.00	-4.00



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12 T9, R16
Well: N-12-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-12-9-16
TVD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	2,384.0	13.10	321.50	2,354.9	307.2	247.7	-181.8	0.31	0.00	1.36
	2,430.0	13.10	322.00	2,399.7	317.6	255.8	-188.2	0.25	0.00	1.09
	2,474.0	12.40	320.50	2,442.6	327.3	263.4	-194.3	1.76	-1.59	-3.41
	2,520.0	11.30	320.90	2,487.6	336.7	270.7	-200.3	2.40	-2.39	0.87
	2,565.0	11.00	321.40	2,531.8	345.4	277.5	-205.7	0.70	-0.67	1.11
	2,609.0	10.70	321.40	2,575.0	353.7	284.0	-210.9	0.68	-0.68	0.00
	2,653.0	11.00	323.60	2,618.2	362.0	290.5	-215.9	1.16	0.68	5.00
	2,699.0	12.00	327.40	2,663.3	371.2	298.1	-221.1	2.73	2.17	8.26
	2,743.0	13.00	330.00	2,706.3	380.6	306.2	-226.1	2.61	2.27	5.91
	2,789.0	14.00	330.00	2,751.0	391.3	315.5	-231.4	2.17	2.17	0.00
	2,833.0	13.80	332.40	2,793.7	401.8	324.8	-236.5	1.39	-0.45	5.45
	2,878.0	13.50	330.30	2,837.4	412.3	334.1	-241.6	1.29	-0.67	-4.67
	2,922.0	13.60	333.00	2,880.2	422.5	343.2	-246.5	1.46	0.23	6.14
	2,968.0	14.60	332.60	2,924.8	433.5	353.2	-251.6	2.18	2.17	-0.87
	3,012.0	14.50	329.10	2,967.4	444.5	362.8	-257.0	2.01	-0.23	-7.95
	3,056.0	13.60	326.80	3,010.1	455.1	371.9	-262.7	2.41	-2.05	-5.23
	3,101.0	13.80	326.20	3,053.8	465.8	380.8	-268.6	0.55	0.44	-1.33
	3,145.0	14.50	327.10	3,096.5	476.5	389.7	-274.5	1.67	1.59	2.05
	3,191.0	14.90	325.70	3,141.0	488.2	399.5	-280.9	1.16	0.87	-3.04
	3,235.0	14.70	322.00	3,183.5	499.4	408.5	-287.6	2.20	-0.45	-8.41
	3,281.0	14.50	321.20	3,228.0	511.0	417.6	-294.8	0.62	-0.43	-1.74
	3,327.0	14.70	320.70	3,272.5	522.6	426.6	-302.1	0.51	0.43	-1.09
	3,371.0	14.80	320.70	3,315.1	533.8	435.3	-309.2	0.23	0.23	0.00
	3,414.0	14.60	321.20	3,356.7	544.7	443.8	-316.0	0.55	-0.47	1.16
	3,460.0	14.20	320.90	3,401.2	556.1	452.7	-323.2	0.88	-0.87	-0.65
	3,506.0	14.10	320.80	3,445.8	567.3	461.4	-330.3	0.22	-0.22	-0.22
	3,552.0	13.80	319.30	3,490.5	578.4	469.9	-337.4	1.02	-0.65	-3.26



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION

Project: USGS Mylon SW (UT)

Site: SECTION 12 T9, R16

Well: N-12-9-16

Wellbore: Wellbore #1

Design: Actual

Local Co-ordinate Reference:

TVD Reference: Well N-12-9-16

MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)

North Reference: True

Survey Calculation Method: Minimum Curvature

Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	D Leg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	3,597.0	13.40	319.10	3,534.2	589.0	477.9	-344.4	0.90	-0.89	-0.44
	3,643.0	13.20	319.10	3,579.0	589.5	485.9	-351.3	0.43	-0.43	0.00
	3,687.0	12.80	318.60	3,621.9	609.4	493.3	-357.8	0.94	-0.91	-1.14
	3,733.0	12.30	318.30	3,666.8	619.3	500.8	-364.4	1.10	-1.09	-0.65
	3,777.0	12.00	319.70	3,709.8	628.6	507.8	-370.5	0.96	-0.68	3.18
	3,823.0	11.70	321.40	3,754.8	638.0	515.1	-376.5	1.00	-0.65	3.70
	3,867.0	11.60	323.30	3,797.9	646.9	522.1	-381.9	0.90	-0.23	4.32
	3,911.0	12.00	325.50	3,841.0	655.9	529.5	-387.2	1.37	0.91	5.00
	3,955.0	12.10	325.50	3,884.0	665.1	537.0	-392.4	0.23	0.23	0.00
	3,998.0	12.00	325.30	3,926.0	674.0	544.4	-397.5	0.25	-0.23	-0.47
	4,042.0	11.50	324.00	3,969.1	683.0	551.7	-402.6	1.29	-1.14	-2.95
	4,088.0	11.30	322.00	4,014.2	692.1	559.0	-408.1	0.96	-0.43	-4.35
	4,176.0	10.80	321.80	4,100.6	708.9	572.3	-418.5	0.57	-0.57	-0.23
	4,219.0	10.20	319.30	4,142.9	716.8	578.3	-423.5	1.75	-1.40	-5.81
	4,263.0	9.90	317.20	4,186.2	724.4	584.0	-428.6	1.08	-0.68	-4.77
	4,307.0	9.80	317.60	4,229.5	731.9	589.6	-433.7	0.28	-0.23	0.91
	4,351.0	9.80	317.50	4,272.9	739.4	595.1	-438.8	0.04	0.00	-0.23
	4,396.0	9.70	319.70	4,317.2	746.9	600.8	-443.8	0.86	-0.22	4.89
	4,442.0	10.20	321.70	4,362.6	754.9	607.0	-448.8	1.32	1.09	4.35
	4,488.0	10.50	324.10	4,407.8	763.1	613.6	-453.8	1.14	0.65	5.22
	4,534.0	10.60	323.70	4,453.0	771.6	620.4	-458.8	0.27	0.22	-0.87
	4,580.0	10.90	323.40	4,498.2	780.2	627.3	-463.9	0.66	0.65	-0.65
	4,624.0	11.10	324.60	4,541.4	788.5	634.1	-468.8	0.69	0.45	2.73
	4,669.0	10.90	325.00	4,585.6	797.1	641.1	-473.8	0.48	-0.44	0.89
	4,713.0	10.90	322.90	4,628.8	805.4	647.8	-478.6	0.90	0.00	-4.77
	4,759.0	11.00	320.40	4,674.0	814.2	654.7	-484.1	1.05	0.22	-5.43



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 12 T9, R16
Well: N-12-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well N-12-9-16
MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
North Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,783.0	10.95	320.14	4,897.5	818.7	658.2	-487.0	0.30	-0.22	-1.08
N-12-9-16 TGT										
	4,805.0	10.90	319.90	4,719.1	822.9	661.4	-489.7	0.30	-0.22	-1.09
	4,848.0	11.10	320.10	4,761.3	831.1	667.7	-494.9	0.47	0.47	0.47
	4,894.0	11.50	323.30	4,806.4	840.1	674.7	-500.5	1.62	0.87	6.96
	4,938.0	10.90	325.90	4,849.6	848.6	681.7	-505.5	1.78	-1.36	5.91
	4,984.0	10.30	326.80	4,894.8	857.1	688.7	-510.2	1.35	-1.30	1.96
	5,028.0	10.00	331.90	4,938.1	864.8	695.4	-514.1	2.15	-0.68	11.59
	5,071.0	9.80	331.70	4,980.5	872.1	701.9	-517.6	0.47	-0.47	-0.47
	5,115.0	10.50	329.20	5,023.8	879.8	708.6	-521.4	1.88	1.59	-5.68
	5,161.0	11.50	326.10	5,068.9	888.6	716.1	-526.1	2.53	2.17	-6.74
	5,205.0	12.10	323.50	5,112.0	897.5	723.4	-531.3	1.82	1.36	-5.91
	5,249.0	12.30	320.00	5,155.0	906.8	730.7	-537.1	1.74	0.45	-7.95
	5,294.0	11.90	317.10	5,199.0	916.2	737.8	-543.3	1.62	-0.89	-6.44
	5,338.0	11.80	316.40	5,242.1	925.2	744.3	-549.5	0.40	-0.23	-1.59
	5,382.0	12.52	318.15	5,285.1	934.4	751.2	-555.8	1.84	1.64	3.98
	5,429.0	13.75	323.25	5,330.9	945.1	759.4	-562.5	3.59	2.62	10.85
	5,472.0	13.80	325.00	5,372.6	955.3	767.7	-568.5	0.98	0.12	4.07
	5,518.0	13.50	324.10	5,417.3	966.2	776.6	-574.8	0.80	-0.65	-1.96
	5,563.0	13.30	322.70	5,461.1	976.6	784.9	-581.1	0.85	-0.44	-3.11
	5,607.0	13.80	323.90	5,503.9	986.9	793.2	-587.2	1.30	1.14	2.73
	5,653.0	13.40	324.00	5,548.6	997.7	802.0	-593.6	0.87	-0.87	0.22
	5,697.0	12.70	323.60	5,591.5	1,007.7	810.0	-599.4	1.60	-1.59	-0.91
	5,741.0	12.50	322.10	5,634.4	1,017.3	817.6	-605.2	0.87	-0.45	-3.41
	5,786.0	11.80	319.90	5,678.4	1,026.7	825.0	-611.2	1.86	-1.56	-4.89
	5,832.0	11.30	319.20	5,723.5	1,035.9	832.0	-617.2	1.13	-1.09	-1.52
	5,878.0	10.70	318.10	5,768.6	1,044.7	838.6	-623.0	1.38	-1.30	-2.39



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 12 T9, R16
Well: N-12-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well N-12-9-16
MD Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
North Reference: N-12-9-16 @ 5466.0ft (NDSI SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	D Leg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	5,922.0	10.90	319.00	5,811.8	1,052.9	844.8	-628.4	0.59	0.45	2.05
	5,966.0	10.90	317.10	5,855.0	1,061.2	851.0	-634.0	0.82	0.00	-4.32
	6,011.0	11.20	316.90	5,899.2	1,069.7	857.3	-639.9	0.67	0.67	-0.44
	6,057.0	11.21	314.40	5,944.3	1,078.6	863.6	-646.1	1.06	0.02	-5.43
	6,092.0	10.85	313.53	5,978.7	1,085.2	868.3	-650.9	1.13	-1.03	-2.49
	6,144.0	10.32	312.24	6,029.8	1,094.6	874.8	-657.9	1.12	-1.02	-2.48

Checked By: _____

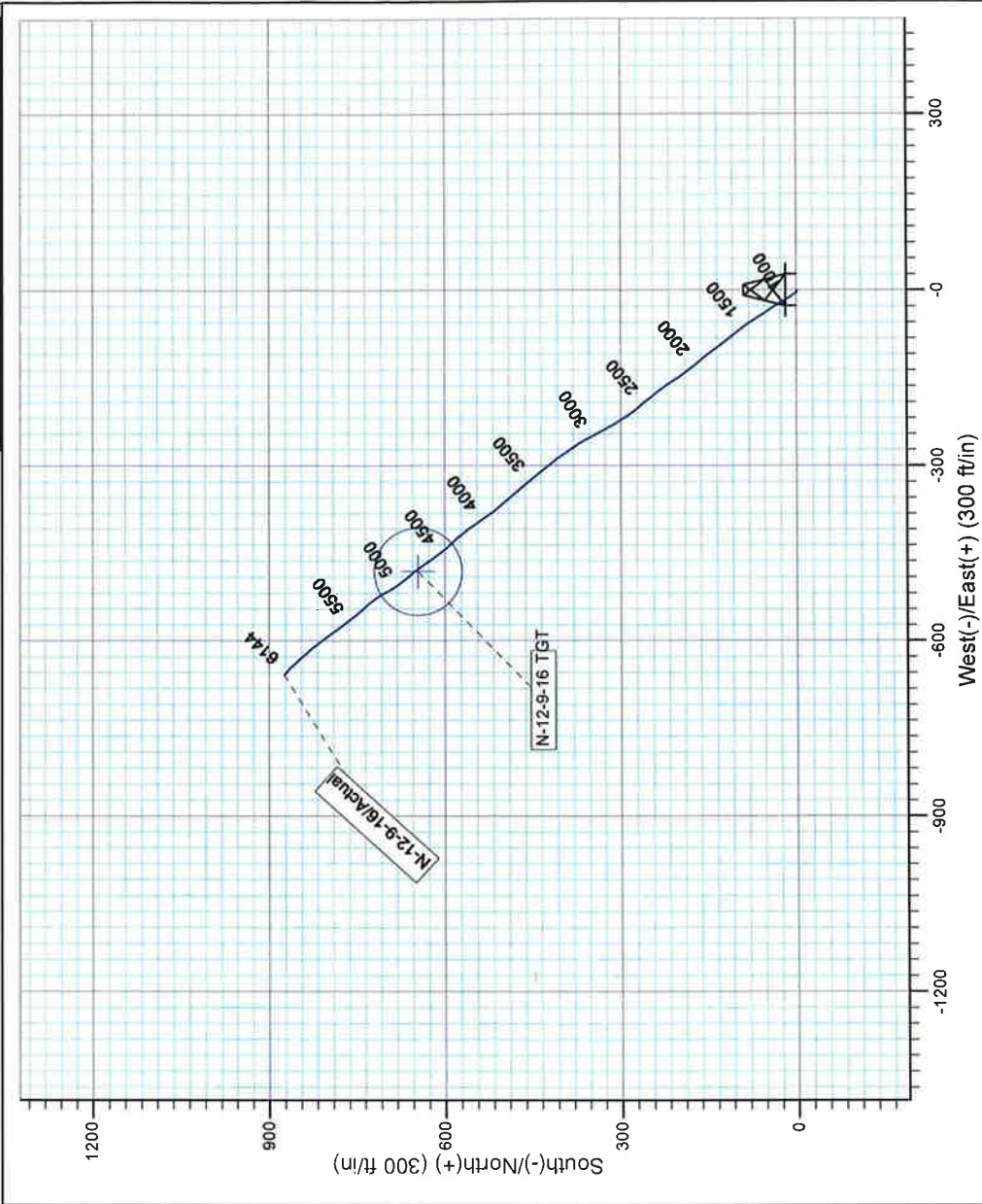
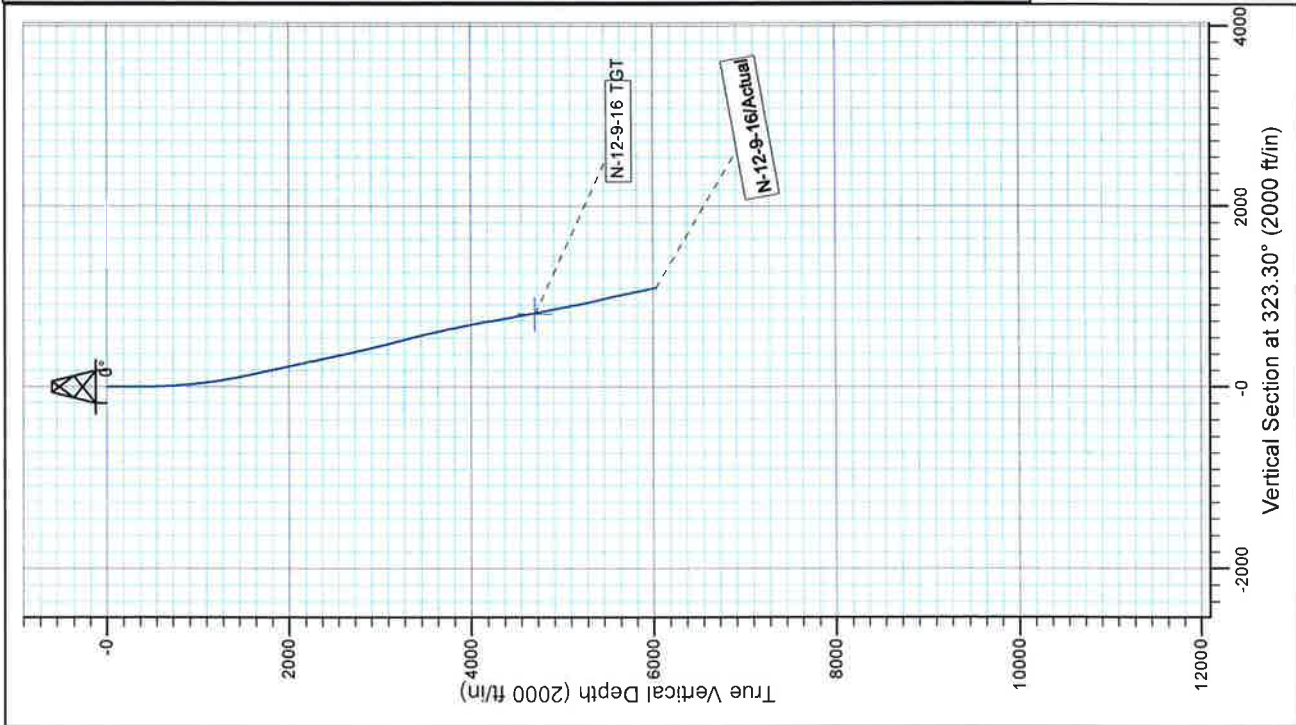
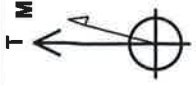
Approved By: _____

Date: _____



Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: N-12-9-16
 Wellbore: Wellbore #1
 Design: Actual

Azimuths to True North
 Magnetic North: 11.19°
 Magnetic Field
 Strength: 52174.7snT
 Dip Angle: 65.77°
 Date: 5/29/2012
 Model: IGRF2010



Design: Actual (N-12-9-16/Wellbore #1)

Created By: Sarah Webb Date: 10:47, July 10 2013

THIS SURVEY IS CORRECT TO THE BEST OF
 MY KNOWLEDGE AND IS SUPPORTED
 BY ACTUAL FIELD DATA

Daily Activity Report

Format For Sundry

GMBU N-12-9-16

5/1/2013 To 9/30/2013

7/25/2013 Day: 1

Completion

Rigless on 7/25/2013 - Run CBL on 7/11/13, Press test frac stack - (7/11/13) RU Extreme wireline, MU & RIH w/ cement bond log tools, Tag @ 6076', PBTD @ 6111', Log short joint @ 3443'-54', Estimated cement top @ 130', LD logging tools, SWI, RD wirelines, - RU Extreme wireline, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf), Stop @ 1000' & test lube to 800 psi, Continue in hole & perforate CP-5 @ 5930'-32', 5925'-27', POOH w/ wireline, SWI, RD wireline. - RU 4G test unit, Test hyd chambers, Test csg, WFT blinds & outer csg valves to 250 psi 5-min low & 4300 psi 30-min high, Test FMC frac valve & flowback iron to 250 psi 5-min low & 4300 psi 10-min high, All good.

Daily Cost: \$0

Cumulative Cost: \$23,456

7/26/2013 Day: 2

Completion

Rigless on 7/26/2013 - RU HES frac equip, Screen out stg #1 w/ 5# sand @ perfs leaving 13,450# sand in pipe & 9,710# sand in formation, Flowback well & perf stg #2, Could not get break, RIH w/ acid bailer & tag sand above perfs, RD frac crew. - (Stg #2) RU Extreme wireline, Press test lube to 4,000 psi, MU & RIH w/ acid bailer, Tag sand @ 5319' (6' above top perf) Spot acid on sand, LODC perfs @ 5326'-30', POOH w/ wireline, SWI, RD wireline. - RU HES frac equip, Pump & surge well but could not get break, SWI, - (Stg #2) RU Baker Hughes frac equip, Hold pre-job safety meeting, Press test lines to 4800 psi, Open well w/ 927 psi, Attempt to break & pump into well, Could not get break. - Open well to pit & flowback, Recovered approx. 4,000# sand & well died, SWI, RU HES & try to pump flush on csg, Pumped 51 bbls & press out, leaving 90 bbls left to flush, SWI & wait for remaining sand to fall below second stg. - (Stg #1) HES frac equip, Hold pre-job safety meeting, Press test lines to 4800 psi, Open well w/0 psi, Break down CP-5 formation @ 4070 psi w/ 3.5 bbls 7% KCL @ 6.5 bpm (ISIP 1412 psi, F.G. .69, 1-min 1199 psi, 4-min 1027 psi), Pumped 6 bbls 15% HCL, Pumped 46.9 bbls 7% KCL to get to rate & find x-link, Pumped 40 bbls 7% KCL 1-4# sand (Ramped), Pumped 72.5 bbls 7% KCL 5# sand (Hold), Pumped 29.5 bbls 7% KCL 6# sand (Hold), Pumped 12 bbls 15% HCL, Pumped 52.1 bbls 7% KCL slick water flush & screened out w/ 5# on perfs (Left 13,,450# sand in pipe & put 9,710# sand in formation) Max press 2804 psi, Avg press 2371 psi, Max rate 24.3 bpm, Avg rate 24.1 bpm, Pumped 23,160# sand, Pumped ttl of 272 bbls - (Stg #2) RU Extreme wireline, Press test lube to 4,000 psi, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf), Tag fill @ 5390', Perforate LODC @ 5326'-30' '(12 holes), POOH & RD wireline, SWI

Daily Cost: \$0

Cumulative Cost: \$27,544

7/27/2013 Day: 3

Completion

Nabors #1406 on 7/27/2013 - MIRUSU, PU tbq & clean out sand below stg #2, TOO H w/ tbq - TOO H w/ 174-jts tbq. - Crew Travel & Safety meeting - MIRUSU, NU drill out BOPs, RU workfloor, Unload tbq on pipe racks - RU 4G test unit, Test hyd chambers, double pipe rams & outer gate valves, Tally & prep tbq. - MU & RIH w/ notched collar & single in w/ 169- jts 2 7/8" J-55 tbq, Tag fill @ 5288' (Perfs @ 5326'-30'), RU pump & lines. - MU wash stand, Clean out to 5455' (174-jts), Circulate well clean - RD workfloor, ND double pipe BOPs, RU workfloor, Move extra 26-jts tbq & pipe racks, SWI - Crew Travel

Daily Cost: \$0**Cumulative Cost:** \$37,456

7/29/2013 Day: 4**Completion**

Nabors #1406 on 7/29/2013 - Screenout stg2, C/O fill, ready to frac - Pull to derrick w/174 jts - ND BOP SWIFN - Crew travel - RD wireline & Halliburton frac crew. - C/O fill to 5451' - Link & break tests are bad, 17# cross linked fluid is breaking in 10min w/.5lb breaker and breaking in under 15min w/no breaker. Retest all water on location. 27# fluid is breaking in 38min. Recalculate stg for 27# fluid system. - Stage #2, B2 & C sands. 247 psi on well. Frac B2 & C sds w/19,230#s of 20/40 White sand in 116 bbls 27# Delta 140 fluid. Broke @ 3628 psi @ 5.8 BPM. Treated w/ ave pressure of 3486 psi @ ave rate of 147.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. Screened out as sand was coming on formation, 34 bbls into flush. Left approx. 18,000# sand in pipe. Open to flowback, returned approx. 3,000# sand before well died. - RU 4G Torque & Test. PSI test Drillout BOPs-good tests - NU drillout BOPs - Location safety/JSA meeting with all hands on location. - PSI test all frac iron to 5200#-good test. Test pump kickouts-good - Rih w/142 jts out of derrick, tagging sand 1004' of new fill

Daily Cost: \$0**Cumulative Cost:** \$52,807

7/30/2013 Day: 5**Completion**

Nabors #1406 on 7/30/2013 - Frac stg2, screenout stg 3, flowback - RIH w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen), did not tag sand. Perforate stg 3 @ 4860-61', 4864-65', 5016-18', 5026-28'. Did not set plug. - Stage #2, LODC sands. 247 psi on well. Frac LODC sds w/19,640#s of 20/40 White sand in 325 bbls 17# Delta 140 fluid. Broke @ 3901 psi @ 5.8 BPM. Treated w/ ave pressure of 3816 psi @ ave rate of 15.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. Screened out w/16 bbls left in flush, left approx., 2,400# of sand (250? of fill), 300? between zones. - RU Halliburton frac crew. Safety mtg/psi test frac iron to 5300#-good test. - Wait for Halliburton to finish fracking F-2-9-17 - Rig crew travel - Flowback well, returned approx. 5,000# of sand before dieing off. NU pipe rams. RD Halliburton frac crew. SWIFN - Stage #3, B2 & C sands. 1938 psi on well. Frac B2 & C sds w/46,140#s of 20/40 White sand in 283 bbls 17# Delta 140 fluid. Broke @ 2932 psi @ 4 BPM. Treated w/ ave pressure of 2771 psi @ ave rate of 23.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. Screened out 38.5 bbls into flush, leaving approx. 18,000# in pipe (1,200? of fill).

Daily Cost: \$0**Cumulative Cost:** \$64,120

8/1/2013 Day: 6**Completion**

Nabors #1406 on 8/1/2013 - psi test, clean out fill to 5477' - Stage #5, PB7 sands. 1739 psi on well. Frac PB7 sds w/29,260#s of 20/40 White sand in bbls 17# Delta 140 fluid. Broke @ 3774 psi @ 3.9 BPM. Treated w/ ave pressure of 2541 psi @ ave rate of 24.3 BPM. ISDP 2162 psi. FG=.96, 5 min SIP 1745 psi, 10 min SIP 1613 psi, 15 min SIP 1578 psi. 357 total BWTR - Crew travel/JSA mtg - RU 4G Torque & Test, psi test pipe rams-good tests - RU 4G Torque & Test, psi test pipe rams-good tests - RIH w/tbg, tag fill @ 3477' - RIH w/tbg, tag fill @ 3477' - Clean out 800' of fill (26jts) - Clean out 800' of fill (26jts) - Well kicking, rolling kick out of well, able to trip in hole to 5477' before tagging fill again, roll hole clean - Well kicking, rolling kick out of well, able to trip in hole to 5477' before tagging fill again, roll hole clean - POOH 175 jnts tbg - POOH 175 jnts tbg - ND BOP, RD workfloor - ND BOP, RD workfloor - Crew travel - Crew travel - RU Extreme wireline. RIH w/Weatherford 5-1/2" 5K total composite flow

through frac plug, perf guns. Set plug @ 4820'. Perforate D1 & D2 @ 4762-66', 4710-12" w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 12 shots. - RU Extreme wireline. RIH w/Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4820'. Perforate D1 & D2 @ 4762-66', 4710-12" w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 12 shots. - Open well to flowback - returned approx. 400 bbls - Open well to flowback - returned approx. 400 bbls - Stage #5, PB7 sands. 1739 psi on well. Frac PB7 sds w/29,260#s of 20/40 White sand in bbls 17# Delta 140 fluid. Broke @ 3774 psi @ 3.9 BPM. Treated w/ ave pressure of 2541 psi @ ave rate of 24.3 BPM. ISDP 2162 psi. FG=.96, 5 min SIP 1745 psi, 10 min SIP 1613 psi, 15 min SIP 1578 psi. 357 total BWTR - Crew travel/JSA mtg - Stage #4, D1 & D2 sands. 1012 psi on well. Frac D1 & D2 sds w/26,250#s of 20/40 White sand in 164 bbls 17# Delta 140 fluid. Broke @ 3288 psi @ 4.8 BPM. Treated w/ ave pressure of 2900 psi @ ave rate of 24.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 1898 psi. FG=.85, 5 min SIP 1813 psi, 10 min SIP 1760 psi, 15 min SIP 1743 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Halliburton blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4370'. Perforate PB7 @ 4298-4300?, 4292-94?' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/3 spf for total of 12 shots. 454 total BWTR - Stage #4, D1 & D2 sands. 1012 psi on well. Frac D1 & D2 sds w/26,250#s of 20/40 White sand in 164 bbls 17# Delta 140 fluid. Broke @ 3288 psi @ 4.8 BPM. Treated w/ ave pressure of 2900 psi @ ave rate of 24.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 1898 psi. FG=.85, 5 min SIP 1813 psi, 10 min SIP 1760 psi, 15 min SIP 1743 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Halliburton blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4370'. Perforate PB7 @ 4298-4300?, 4292-94?' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/3 spf for total of 12 shots. 454 total BWTR - Wait on Halliburton to Finish V-11-9-17 and move over to location. RU Halliburton frac iron. - Wait on Halliburton to Finish V-11-9-17 and move over to location. RU Halliburton frac iron.

Daily Cost: \$0**Cumulative Cost:** \$79,712

8/5/2013 Day: 8**Completion**

Nabors #1406 on 8/5/2013 - set KP, psi test, drill out plugs, C/O to PBTD, rt tbg, land tbg - Crew travel, JSA/safety mtg - RU Extreme wireline, RIH /set KP @ 4155', POOH, RD - crew travel - RD workfloor, ND BOP, ND blind ram, remove 4ft sub from well, land well, SDFN - RIH w/NC, 2 jts, SN, 1 jt, TAC, 186 more jts, set TAC from workfloor - LD 11 total 11 jts, POOH w/189 jts, LD BHA - roll hole clean 150 bbls - Drill out KP, 850# under plug, swvl in 7 jts, tag first plug (no fill). Drillout plug (10min), hang swvl back, TIH out of derrick w/20 jts, tag 2nd plug @ 4820' (no fill), drill out plug (10min), RIH, tag 814' of fill on PBTD (5297'), clean out fill to PBTD @ 6111' - ND frac valve, NU BOP. RU 4G Torque & Test, test pipe rams-good. - RIH w/4 3/4" mill, X-O, 133 jts, tag KP @ 4155' - RU pwr swvl, RU pump lines, strip on washington rubber

Daily Cost: \$0**Cumulative Cost:** \$223,394

8/6/2013 Day: 9**Completion**

Nabors #1406 on 8/6/2013 - RIH w/rods & pump, PWOP - PU AND PRIME NEW CENTRAL HYDRAULICS PUMP, 2.5 X 1.75 X 24', RHAC, PU 32 7/8" 8PERS, 125 3/4" 4 PERS, AND 76 7/8" 4PERS, SPACE OUT W/ 8FT, 6FT AND 2 FT 7/8" PONIES, PU 30FT X 1 1/2" POLISH ROD - tbg 900#, csg 950#, pump 40bbls dwn tbg - Crew travel, JSA/Safety mtg, start up equipment - RDSU - roll unit, hang horse head, NU unit, stroke up to 800 psi-good test - Wait for Newfield mechanic to finish working on unit - travel time **Finalized**

Daily Cost: \$0

Cumulative Cost: \$305,891

Pertinent Files: [Go to File List](#)